INDEX TO VOLUME 42

Abelmoschus esculentus 349
Abelmoschus manihot 350
Abies 178, 184–187, 190, 192
Abies amabilis 178, 180, 184, 189, 191
Abies balsamea 190
Abies grandis 178, 180, 181, 184, 186, 191, 192
Abies lasiocarpa 178, 180, 181, 184, 185, 189, 191, 192
Abrol, Y. P. *See* Babu, C. R., et al.
Abronia mellifera 270
Abrus praecatorius 396
Acacia 245
Acacia farnesiana 219
Acacia mellifera 270
Acacia saccharata 270
Acacia tortilis 245
Acalypha amentacea 329
Acanthaceae 171, 175, 274, 278, 351, 353, 355
Acanthopanax trifoliatus 345
Acer melliodorum 270
Acer saccharinum 270
Acer saccharophorum 270
Acer saccharum 267, 270
Aceraceae 270, 277
Achimenes dulcis 270
Achiote 324
Achyranthes velutina 165, 175, 176
Acia dulcis 270
Acicarpha sacchariflora 270
Acinonyx jubatus 215
Acioa dulcis 270
Acisanthera quadrata 18, 22
Acmella grandiflora 350
Aconitum carmichaeli 399
Aconitum kusnezoffii 399
Aconitum subrosulatum 399
Acorus calamus 329, 384
Acorus gramineus 384
Acrocomia 195
Acrocomia aculeata 199
Acrolepia assectella 518
Actinidia chinensis 383
Actinidia kolomikta 218
Actinidia polygama 215, 218, 219, 223, 224
Actinidiaceae 218, 330, 350, 383
Actinidine 218, 219, 220, 222, 223
Actinidiolide 218, 219, 223
Actinodaphne hookeri 202
Actinomycetes 70
Adenanthera pavonina 166, 175, 176
Adinandra cf. *luzonica* 319
Adinandra elliptica 319, 344
Aegilops saccharina 270
Aeschynomene americana 350
Agavaceae 166, 175, 330, 337, 339, 383
Agave americana 383
Agave cantula 337
Agelaea pentagyna 372
Ageratum houstonianum 320
Agrimonia pilosa 401
Agrostis dulcis 270
Ailanthus altissima 402
Ailanthus giralolii 403
Aizoaceae 271, 272, 274
Ajara 479–491
Akebia trifoliata 393
Alangiaceae 383
Alangium platanifolium 383
Albizia anthelmintica 245
Albizia dulcis 270
Albizia julibrissin 395
Albizia procera 339
Alder, red 178
Aleurites fordii 390
Aleurites molucanna 436
Algae, blue-green 68
Algarobia dulcis 270
Allium 504–512, 516–520
Allium cepa 345, 393
Allium fistulosum 393
Allium porrum 417
Allium sativum 327, 393
Allium tuberosum 393, 417
Almond 31, 34
Alnus 181, 220
Alnus maximowiczii 220
Alnus rubra 178
Alocasia longiloba 350
Alocasia macrorrhiza 172, 175, 176
Alpinia galanga 413
Alpinia purpurea 173, 175, 176
Alstroemeria dulcis 270
Amaranth, spiny 339
Amaranthaceae 165, 175, 339
Amaranthus spinosus 339
Amaryllidaceae 165, 166, 175, 270, 271, 272, 383
Amelanchier alnifolia 183
Ammannia coccinea 351
Amomum 333
Amorpha fruticosa 396
Amorphophallus rivieri 384
Ampelopsis japonica 406
Ampelopsis brevipedunculata 324
Amphetamine 224
Anabasis aphylla 387
Anacardiaceae 20, 166, 175, 219, 273, 276, 278, 338, 372, 383
Ananas comosus 342
Andropogon dulcis 270
Andropogon saccharatus 270

Economic Botany, 42(4), 1988, pp. 548–574
© 1988, by the New York Botanical Garden, Bronx, NY 10458

INDEX TO VOLUME 42

Abelmoschus esculentus 349
Abelmoschus manihot 350
Abies 178, 184–187, 190, 192
Abies amabilis 178, 180, 184, 189, 191
Abies balsamea 190
Abies grandis 178, 180, 181, 184, 186, 191, 192
Abies lasiocarpa 178, 180, 181, 184, 185, 189, 191, 192
Abrol, Y. P. *See* Babu, C. R., et al.
Abronia mellifera 270
Abrus praecatorius 396
Acacia 245
Acacia farnesiana 219
Acacia mellifera 270
Acacia saccharata 270
Acacia tortilis 245
Acalypha amentacea 329
Acanthaceae 171, 175, 274, 278, 351, 353, 355
Acanthopanax trifoliatus 345
Acer melliodorum 270
Acer saccharinum 270
Acer saccharophorum 270
Acer saccharum 267, 270
Aceraceae 270, 277
Achimenes dulcis 270
Achiote 324
Achyranthes velutina 165, 175, 176
Acia dulcis 270
Acicarpha sacchariflora 270
Acinonyx jubatus 215
Acioa dulcis 270
Acisanthera quadrata 18, 22
Acmella grandiflora 350
Aconitum carmichaeli 399
Aconitum kusnezoffii 399
Aconitum subrosulatum 399
Acorus calamus 329, 384
Acorus gramineus 384
Acrocomia 195
Acrocomia aculeata 199
Acrolepia assectella 518
Actinidia chinensis 383
Actinidia kolomikta 218
Actinidia polygama 215, 218, 219, 223, 224
Actinidiaceae 218, 330, 350, 383
Actinidine 218, 219, 220, 222, 223
Actinidiolide 218, 219, 223
Actinodaphne hookeri 202
Actinomycetes 70
Adenanthera pavonina 166, 175, 176
Adinandra cf. *luzonica* 319
Adinandra elliptica 319, 344
Aegilops saccharina 270
Aeschynomene americana 350
Agavaceae 166, 175, 330, 337, 339, 383
Agave americana 383
Agave cantula 337
Agelaea pentagyna 372
Ageratum houstonianum 320
Agrimonia pilosa 401
Agrostis dulcis 270
Ailanthus altissima 402
Ailanthus giralolii 403
Aizoaceae 271, 272, 274
Ajara 479–491
Akebia trifoliata 393
Alangiaceae 383
Alangium platanifolium 383
Albizia anthelmintica 245
Albizia dulcis 270
Albizia julibrissin 395
Albizia procera 339
Alder, red 178
Aleurites fordii 390
Aleurites molucanna 436
Algae, blue-green 68
Algarobia dulcis 270
Allium 504–512, 516–520
Allium cepa 345, 393
Allium fistulosum 393
Allium porrum 417
Allium sativum 327, 393
Allium tuberosum 393, 417
Almond 31, 34
Alnus 181, 220
Alnus maximowiczii 220
Alnus rubra 178
Alocasia longiloba 350
Alocasia macrorrhiza 172, 175, 176
Alpinia galanga 413
Alpinia purpurea 173, 175, 176
Alstroemeria dulcis 270
Amaranth, spiny 339
Amaranthaceae 165, 175, 339
Amaranthus spinosus 339
Amaryllidaceae 165, 166, 175, 270, 271, 272, 383
Amelanchier alnifolia 183
Ammannia coccinea 351
Amomum 333
Amorpha fruticosa 396
Amorphophallus rivieri 384
Ampelopsis japonica 406
Ampelopsis brevipedunculata 324
Amphetamine 224
Anabasis aphylla 387
Anacardiaceae 20, 166, 175, 219, 273, 276, 278, 338, 372, 383
Ananas comosus 342
Andropogon dulcis 270
Andropogon saccharatus 270

Economic Botany, 42(4), 1988, pp. 548–574
© 1988, by the New York Botanical Garden, Bronx, NY 10458

Andropogon saccharoides 271
Anemone hupehensis 399
Anemone tomentosa 400
Anemone vitifolia 400
Anethum dulce 271
Angelica dahurica 405
Annatto 324
Annona muricata 171, 175, 176, 331
Annona squamosa 324
Annonaceae 171, 175, 279, 324, 331
Anodendron 351
Antiaris toxicaria 113
Antidesma 319
Antidesma bunias 328
Antirrhinum saccharatum 271
Aphanamixis sinensis 378
Apiaceae 19, 323, 351, 415, 417. *See also* Umbelliferae
Apium dulce 271
Apocynaceae 162, 169, 170, 175, 272, 274, 275, 337, 341, 351, 354, 383
Apple, star 331
Apple, sugar 324
Aquatic plants 495
Araceae 171, 172, 175, 329, 341, 347, 351, 384
Arachis hypogaea 338
Araliaceae 169, 175, 345, 385
Arctictus 215
Ardisia saligna 347
Ardisia squamulosa 347
Areca cathecu 253
Arecaceae 206, 301–306, 331, 337, 420–441. *See also* Palmae
Arenga pinnata 420
Arenga saccharifera 270
Arenga westerhoutii 111
Arisaema japonicum 384
Arisaema polyphyllum 351
Arisaema serratum 384
Arisaema thunbergii 384
Aristida kelleri 245
Arkcoll, David, Lauric oil resources 195–205
Arrowroot 256, 320
Artemisia 377
Artemisia annua 387
Artemisia apiacea 387
Artemisia argyi 388
Artemisia capillaris 332, 388
Artemisia japonica 388
Artemisia vulgaris 388
Artocarpus 113
Artocarpus altilis 174, 175, 339
Artocarpus heterophylla 252, 253, 336
Artocarpus mariannensis 174, 175
Asclepiadaceae 339, 351, 385
Asclepias curassavica 351
Asparagus 3
Asparagus cochinchinensis 394
Aspleniaceae 165, 175
Asplenium nidus 157, 165, 175, 176
Aster ovalifolius 351
Asteraceae 20, 319, 320, 330, 332, 336, 338, 339, 342, 345, 350–353, 356. *See also* Compositae
Astragalus saccharensis 271
Astridia dulcis 271
Astrocaryum 195, 199
Astrocaryum aculeatum 200
Astrocaryum murumuru 200
Astrocaryum vulgare 199, 200
Atilax 215
Atractylodes chinensis 388
Atractylodes lancea 388
Atropine 224
Atropine methyl nitrate 224
Atropine sulphate 224
Attalea 199
Attalea excelsa 199
Avé, Wanda, Small-scale utilization of rattan by a Semai community in West Malaysia 105–119
Avocado 86, 319
Azadirachta indica 377, 378
Azolla 47
Babu, C. R., Subodh K. Sharma, S. R. Chatterjee, and Y. P. Abrol, Seed protein and amino acid composition of wild *Vigna radiata* var. *sublobata* (Fabaceae) and two cultigens, *V. mungo* and *V. radiata* 54–61
Baby corn: production in Taiwan and future outlook for production in the United States, Walton C. Galinat and Bor-Yaw Lin 132–134
Baccaurea dulcis 271
Baccharis megapotamica 69, 70
Bactris gasipaes 201
Baeckea frutescens 395
Baird, John R., and John W. Thieret, The bur gherkin (*Cucumis anguria* var. *anguria*, Cucurbitaceae) 447–451
Balsaminaceae 385
Balsam-pear (*Momordica charantia*, Cucurbitaceae), Terrence W. Walters and Deena S. Decker-Walters 286–288
Bamboo 110–113, 208, 253, 328
Bamboo, spiny 328
Bamboo, zigzag 322
Bambusa blumeana 328
Banana 157, 158, 256, 310, 313, 326
Barley 46, 473, 504–515, 519, 538
Barley stripe mosaic virus 515
Barley yellow dwarf virus 515
Barley yellow mosaic virus 515
Barringtonia asiatica 163, 175, 176
Barringtoniaceae 163, 175
Basella alba 417

Basellaceae 417
Basil 417, 418
Basket 157, 164, 184
Basketry 105, 108, 118
Bean 310
Bean, black 313
Bean, black rice 326
Bean, broad 46, 473
Bean, common 73–83, 86–102
Bean, garden 538
Bean, hyacinth 332
Bean, kidney 313, 342
Bean, lima 340
Bean, marama 533–540
Bean, mung 313, 338
Bean, rice 312, 313, 333
Bean, winged 329
Bean, yam 345
Bean, yardlong 350
Beans 313
Beggar's ticks 330
Belamcanda chinensis 391
Beltsville Symposium XIII, Biotic Diversity and Germplasm Preservation—Global Imperatives 140
Berberidaceae 385
Berchemia philippinensis 330
Bessière, J-M. *See* Vokou, D., et al.
Beta vulgaris 267, 269
Betula 181
Betula dulcis 271
Betulaceae 271
Bidens bipinnata 388
Bidens pilosa 330
Bignoniaceae 220, 221, 325, 385
Biochemical differentiation of clones of oca (*Oxalis tuberosa,* Oxalidaceae) by their proteins and the properties of these proteins, H. Stegemann, S. Majino, and P. Schmiediche 37–44
β-Bisabolene 409
Bischofia javanica 349
Bishop's weed (*Ammi majus* L., Apiaceae), James A. Duke 442–445
Bixa orellana 324
Bixaceae 324
Black cottonwood 178
Blechum brownei 351
Bletilla striata 396
Bliss, F. A. *See* Gepts, P., and F. A. Bliss; and Gepts, P., et al.
Blotch, leaf 514
Blotch, net 514
Blotch, septoria leaf and glume 515
Blotch, spot 514
Blumea lacera 351
Bobcat 215, 216
Bodner, Connie Cox, and Roy E. Gereau, A. contribution to Bontoc ethnobotany 307–369
Boehmeria aff. *multiflora* 330
Boehmeria nivea 316, 341
Boerhavia repens 165
Boerhavia tetrandra 169, 175, 176
Bomarea dulcis 271
Bombacaeae 272
Boraginaceae 18, 163, 173, 175, 277, 322, 385
Borassus aethiopum 420–441
Borassus flabellifer 420–441
Borassus flabelliformis 420
Borassus palms 420–441
Borassus sundaica 423
Borneol 235, 238, 409, 410, 411
Boschniakia rossica 220
Boschniakine 220, 221, 223
Boschnialactone 220, 221, 222
Bothriochloa saccharoides 271
Botrytis allii 518
Botrytis squamosa 518
Bower, Nathan, Kelmens Hertel, Justin Oh, and Richard Storey, Nutritional evaluation of marama bean (*Tylosema esculentum,* Fabaceae): analysis of the seed 533–540
Brassica 201
Brassica pekinensis 341
Brassica rapa 341
Brassicaceae 288, 335, 336, 341
Brazilnut 31, 34
Breadfruit 157, 172, 174, 339
Breeding, plant 503–521
Breeding pools 503
Breynia rhamnoides 342
Bridelia glabrifolia 321
Broadbean 537
Brochoneura 372
Brochoneura rarabe 372
Bromeliaceae 342
Brucea javanica 403
Brunellia dulcis 271
Brunelliaceae 271
Bryophyllum 22, 27
Bryophyllum pinnatum 18, 22
Bryophyte 67, 68
Buddleja asiatica 330
Buddleja lindleyana 394
Buddleja officinalis 394
Buddlejaceae 330
Bulbophyllum melliferum 271
Bulbulnut 329
Bumelia dulcifica 271
Bur, sand 323
Bur gherkin, the (*Cucumis anguria* var. *anguria,* Cucurbitaceae), John R. Baird and John W. Thieret 447–451
Burassia madagascariensis 372

Burseraceae 272
Cabbage, Chinese flowering 341
Cabbage, swamp 326
Cacalia dulcis 271
Cacao 86
Cactaceae 275, 276, 386
Caesalpiniaceae 18, 20, 21, 242, 322, 335, 343, 355, 386. *See also* Fabaceae, Leguminosae
Cafius 222
Cajanus cajan 313, 316, 334
Caladenia saccharata 271
Calamoideae 105
Calamus 310
Calamus blumei 109, 113
Calamus diepenhorstii 108, 109, 111, 113, 117, 118
Calamus elmerianus 337
Calamus exilis 109, 116
Calamus filipendulus 109
Calamus insignus 108–111
Calamus javensis 108–111, 113, 117
Calamus manan 106, 108, 109, 113, 114, 118
Calamus ornatus 108, 109, 113, 114, 117, 118
Calamus peregrinus 109, 118
Calamus viridispinus 108, 109
Calandrinia 150, 151
Calandrinia crassifolia 150, 151
Callistemon citrinus 351
Calophyllum inophyllum 157, 170, 175, 176
Camellia melliana 271
Camellia oleifera 404
Camellia sinensis 219, 405
Camino, Alejandro, and Timothy Johns, Laki-laki (*Dennstaedtia glauca*, Polypodiaceae): a green manure used in traditional Andean agriculture 45–53
Campanula dulcis 271
Campanulaceae 271, 327
Camphene 235, 238, 409
Camphor 411
Campsis radicans 221
Candlenut 436
Canidae 225
Canoe 157, 171, 174, 184, 187
Canscora diffusa 351
Capillipedium parviflorum 349
Capparaceae 332, 386
Capparis cantoniensis 386
Capraria dulcis 272
Caprifoliaceae 221, 324, 338, 386
Capsicum 418
Capsicum frutescens 118, 170, 175, 176, 345, 403
Carbohydrates 495–502
Cardamine hirsuta 336
Δ^3 Carene 410
Carex oligostachya 351
Carica papaya 158, 175, 176, 340
Caricaceae 158, 175, 340
Carissa dulcis 272
Carpesium abrotanoides 388
Carpobrotus dulcis 272
Carpodinus dulcis 272
Carvacrol 234–239, 409, 410, 411
Caryophyllaceae 18, 278, 348
Caryophyllene 235
β-Caryophyllene 238, 409
Caryota maxima 113
Caryota urens 420
Cassady, John M. *See* Spjut, Richard W., et al.
Cassava 210, 255, 256, 257, 263, 264, 265
Cassia divaricata 322
Cassia occidentalis 386
Cassytha filiformis 162, 175, 176
Castanea crenata 29
Castanea dentata 29
Castanea molissima 29
Castanea sativa 29
Casuarina equisetifolia 169, 175
Casuarinaceae 169, 175
Cat, African golden 215
Cat, Asiatic golden 215
Cat, leopard 215
Cat, margay 215
Cat, Pallas' 215
Cat, pampas 215
Cat, swamp 215
Catalpa ovata 385
Catharanthus roseus 375
Catnip 214–231
Catnip and the catnip response, Arthur O. Tucker and Sharon S. Tucker 214–231
Cayratia japonica 330, 406
Cecropiaceae 322
Cedar, western red- 180
Cedar, yellow- 180
Celastraceae 276, 345, 377, 386
Celastrus angulatus 386
Celastrus orbiculatus 386
Cenchrus echinatus 174, 175, 323
Centella asiatica 351, 405
Centrosema pubescens 340
Cerassus dulcis 272
Ceratostomella fimbriata 381
Cerris dulcis 272
Chaenostoma saccharatum 272
Chaerophyllum dulce 272
Chamaecrista kunthiana 18, 22
Chamaecyparis 183, 184, 191, 192
Chamaecyparis nootkatensis 180, 181, 191
Chamaesyce hirta 347
Champereia manillana 337
Chatterjee, S. R. *See* Babu, C. R., et al.
Chayote 344
Chelidonium majus 396

Chenopodiaceae 319, 387, 461–477, 478–494
Chenopodium ambrosioides 319, 387
Chenopodium berlandieri 479, 489, 490
Chenopodium hircinum 478–487, 489, 491
Chenopodium quinoa 461–477, 478–494
Chestnut 29–34
Chestnut, American 29–34
Chestnut, Chinese 29–34
Chestnut, European 29–34
Chestnut, Italian 29–30
Chestnut, Japanese 29, 34
Chili, bird 345
China, pest control plants in 376–406
Chinaberry 377
Chingia cf. *christii* 352
Chingia ferox 352
Chives, garlic 417
Chloranthaceae 332, 387
Chloranthus japonicus 387
N-(2-Chloroethyl)dibenzylamine 224
Chlorpheniramine 224
Chlorpromazine 223
Chonemorpha blancoi 337
Chop suey greens 418
Christella hispidula 352
Christia obcordata 352
Chromolaena odorata 352
Chrysanthemum, edible 418
Chrysanthemum cinerariifolium 388
Chrysanthemum coccineum 388
Chrysanthemum coronarium 418
Chrysanthemum indicum 388
Chrysophyllum cainito 331
Cibotium barometz 381
Cimicifuga foetida 400
1,8-Cineole 235, 238, 411
Cinnamomum camphora 393
Cis-β-ocimene 410
Cis, cis-nepetalactone 217, 223
Cis-thujanol 409, 410
Citrus aurantifolia 173, 175, 176
Citrus aurantium 167, 175, 176
Citrus dulcimedulla 272
Citrus dulcis 272
Citrus hystrix 251
Citrus maxima 337
Citrus microcarpa 333
Citrus sinensis 401
Claopodium bolanderi 63
Claopodium crispifolium 62–72
Claopodium whippleanum 63
Clausena excavata 401
Claviceps purpurea 515
Clematis aethusaefolis 400
Clematis armandii 400
Clematis chinensis 400
Clematis javana 334
Cleome viscosa 332
Clerodendrum bungei 406
Clerodendrum trichotomum 406
Clidemia hirta 372, 374
Clinogyne comorensis 373
Clusiaceae 327, 335, 349
Cnidium monnieri 405
Coccocypselum hirsutum 18, 22
Cocoa 332
Coconut 31, 34, 157–160, 162, 163, 165–168, 170, 173, 195, 196, 197, 202, 209, 331
Coconut oil 196, 197, 198, 203
Coconut sap 210
Cocos 209
Cocos nucifera 167, 175, 176, 195, 251, 301, 304, 331
Codiaeum variegatum 169, 175, 176
Coffee 174, 310
Coffea arabica 310, 334
Coffea liberica 334
Coir, tar 438
Coix lacryma-jobi 310, 316, 319, 324
Coleus 344
Coleus amboinicus 416
Coleus aromaticus 416
Coleus blumei 170, 175, 176
Collania dulcis 272
Colocasia 256
Colocasia esculenta 172, 175, 176, 310, 316, 347
Combretaceae 171, 175, 332, 387
Commelina benghalensis 352
Commelina communis 387
Commelinaceae 352, 354, 387
Commiphora 245
Commiphora dulcis 272
Compositae 167, 171, 175, 271, 280, 387. *See also* Asteraceae
Conifer 177, 189, 190, 192, 193
Connaraceae 372
Contribution to Bontoc ethnobotany, A, Connie Cox Bodner and Roy E. Gereau 307–369
Convolvulaceae 162, 165, 175, 326, 348, 349, 415
Conyza floribunda 352
Copaene 411
Corallorhiza 154
Corchorus olitorius 343, 417
Cordeauxia edulis 242–248
Cordia 245
Cordia curassavica 18, 22
Cordia dichotoma 322
Cordia subcordata 157, 163, 175, 176
Cordyla somalensis 245
Cordyline fruticosa 330
Cordyline terminalis 166, 175, 176
Coriander 417
Coriandrum sativum 417

Coriaria sinica 389
Coriariaceae 389
Coridothymus capitatus 234, 237, 240
Corn 120–121, 122, 123, 126, 129, 132, 133, 134
Corn, baby 132, 133, 134
Corylus cornuta 183
Corypha dulcis 272
Cosmos caudatus 352
Costus speciosus 321
Costaceae 321
Cotton 310, 331
Couma dulcis 272
Cragg, Gordon M. *See* Spjut, Richard W., et al.
Crassocephalum crepidioides 342
Crassulaceae 19, 169, 175, 278, 346, 389
Creophilus 222
Creophilus maxilosus 222
Crinum asiaticum 165, 175, 176
Crocuta 215
Crotalaria ferruginea 396
Crotalaria zanzibarica 335
Croton tiglium 390
Crypsinus taeniatus 332
Cryptoprocta 215
Cucumber 174
Cucurbita aurantia 5, 7, 11
Cucurbita fraterna 8–11
Cucurbita maxima 6, 313, 333
Cucurbita melopepo 5, 12
Cucurbita moschata 6, 389
Cucurbita ovifera 5, 11, 12
Cucurbita pepo 4–15
Cucurbita subverrucosa 12
Cucurbita texana 6–12
Cucurbita verrucosa 5, 7, 11
Cucurbitaceae 4–15, 286, 332, 333, 340, 344, 389
Culinary herbs 413–419
Cunningham, A. B., and A. S. Wehmeyer, Nutritional value of palm wine from *Hyphaene coriacea* and *Phoenix reclinata* (Arecaceae) 301–306
Cunoniaceae 348
Cuphea 200, 201, 203
Cuphea leptopoda 201
Cupressaceae 180, 382
Curcuma longa 413
Cyanide 255, 257–260, 263, 264, 265
Cyanide content of cassava (*Manihot esculenta*, Euphorbiaceae) cultivars used by Tukanoan Indians in northwest Amazonia, Darna L. Dufour 255–266
Cyanophyta 68
Cyathea aff. *incisoserrata* 324
Cyatheaceae 324
Cymbopogon citratus 413
p-Cymene 234, 235, 238
Cynanchum auriculatum 385
Cyperaceae 167, 173, 175, 219, 272, 326, 341, 344, 348, 351, 352, 353
Cyperus difformis 352
Cyperus distans 344
Cyperus pilosus 344
Cyperus rotundus 167, 175, 176
Cyperus tenuispica 352
Cypress family 180
Cyrtococcum patens 322
Cyrtomium fortunei 382
Cyrtosperma chamissonis 171, 175, 176
Daemonorops brachystachys 109
Daemonorops didymophylla 109
Daemonorops geniculata 108, 109, 110, 114
Daemonorops grandis 108, 109, 111, 114, 116, 118
Daemonorops kunstleri 109
Daemonorops macrophylla 109, 118
Daemonorops oligophylla 109, 118
Daemonorops verticillaris 109, 116
Dalbergia pinnata 338
Dalea cliffortiana 352
Daphne genkwa 405
Datura metel 403
Datura tatula 403
Daucus carota 405
Davalliaceae 165, 175, 322
Decaspermum fruticosum 328
Decker, Deena S., Origin(s), evolution, and systematics of *Cucurbita pepo* (Cucurbitaceae) 4–15
Decker-Walters, Deena S. *See* Walters, Terrence W., and Deena S. Decker-Walters
5,9-Dehydronepetalactone 216, 217, 223
Delia antigua 518
Delonix elata 245
Delonix regia 158, 175, 176
Delphinium ajacis 400
Delphinium yunnanense 400
Dendrobium 333
Dendrobium aggregatum 396
Dendrobium dulce 272
Dendrobium mellitum 272
Dendrocalamus asper 251
Dennis, Philip A., Herbal medicine among the Miskito of eastern Nicaragua 16–28
Dennstaedtia glauca 45–53
Derris elliptica 396
Derris fordii 396
Derris micans 349
Derris trifoliata 397
Desmodium caudatum 397
Desmodium heterocarpon 334
Desmodium incanum 18, 22, 27
Desmodium lasiocarpum 341
Desmodium tortuosum 323
Desmodium triflorum 352

Desmodium velutinum 323
Deutzia pulchra 322
Dianella ensifolia 253, 394
Dianella javanica 353
Dichanthium aristatum 353
Dichanthium saccharoides 272
Dichroa febrifuga 402
Dicksoniaceae 381
Dicladispa armigera 377
Dicranopteris linearis 329
Digitaria ciliaris 353
Dihydroactinidiolide 218, 219, 223
Dihydronepetalactone 216, 217, 222
Dinochloa scandens 322
Dioscoreaceae 173, 175, 337, 349, 389
Dioscorea alata 173, 175, 176, 349
Dioscorea bulbifera 389
Dioscorea esculenta 316, 337
Dioscorea nipponica 389
Dioscoreophyllum cumminsii 269
Dioscorides 86
Diospyros kaki 389
Diphenylhydantoin 224
Diplachne saccharoides 272
Dissemination pathways of common bean (*Phaseolus vulgaris,* Fabaceae) deduced from phaseolin electrophoretic variability. II. Europe and Africa, P. Gepts and F. A. Bliss 86–104
Dissemination pathways of common bean (*Phaseolus vulgaris,* Fabaceae) deduced from phaseolin electrophoretic variability. I. The Americas, P. Gepts, K. Kmiecik, P. Pereira, and F. A. Bliss 73–85
Distinguished Economic Botanist 1987 3, 136
Distinguished Economic Botanist 1988 137
Distinguished Economic Botanist Award 1987 1–3
Ditylenchus dipsaci 518
Diversity, genetic 503
Dodonaea viscosa 340
Doebley, John, Jonathan D. Wendel, J. S. C. Smith, Charles W. Stuber, and Major M. Goodman, The origin of cornbelt maize: the isozyme evidence 120–131
Dolichoderus 222
Dolichoderus diceratoclinea 222
Dolicholactone C 220
Dolicholactone D 220
Donax 110
Donax cannaeformis 112
Drechsel, Pay, and Wolfgang Zech, Site conditions and nutrient status of *Cordeauxia edulis* (Caesalpiniaceae) in its natural habitat in central Somalia 242–249
Drymaria cordata 18, 22, 348
Dryopteris crassirhizoma 382
Drypetes monosperma 335
Duchesnea indica 401
Dufour, Darna L., Cyanide content of cassava (*Manihot esculenta,* Euphorbiaceae) cultivars used by Tukanoan Indians in northwest Amazonia 255–266
Duke, James A., Bishop's weed (*Ammi majus* L., Apiaceae) 442–445
Durio dulcis 272
Durio zibethenis 108
Dysoxylum hongkongense 378
Dysoxylum lukii 378
Dysoxylum octandrum 320
Ebenaceae 389
Echinochloa crusgalli 342
Edson, Charles F. *See* Spjut, Richard W., et al.
Eggplant 313, 347
Ehretia dicksonii 385
Elaeagnaceae 272, 345
Elaeagnus dulcis 272
Elaeagnus philippensis 345
Elaeidobus kamerunicus 198
Elaeis guineensis 195, 199
Elaeocarpaceae 336, 338
Elaeocarpus elmeri 336
Elaeocarpus forbesii 338
Elateriospermum tapos 113
Eleocharis dulcis 272
Eleocharis parvula 219
Elephantopus scaber 372, 374
Elephantopus tomentosus 353
Eleusine indica 163, 175, 323, 373, 374
Elmerrillia celebica 252
Elsholtzia ciliata 418
Engelhardia spicata 336
Epimedium sagittatum 385
Epinepetalactone 216, 217, 222, 223
Epiplagiolactone 222, 223
Equisetaceae 342, 381
Equisetum arvense 381
Equisetum ramosissimum 342
Eragrostis tenella 347
Ergot 515
Erica mellifera 273
Erica melliflua 273
Ericaceae 273, 279, 327, 390
Erwinia carotovora 378, 381
Eryngium foetidum 19, 22, 26, 415
Erysiphe graminis 514
Ethnobotany of coniferous trees in Thompson and Lillooet Interior Salish of British Columbia, Nancy J. Turner 177–194
Ethnobotany of the funeral ceremony of the Torajanese, Elizabeth A. Widjaja 250–254
Ethnobotany of Tokelau: the plants, their Tokelau names, and their uses, W. Arthur Whistler 155–176
Ethnomedicine in the Maroantsetra region of Madagascar, Nat. Quansah 370–375
Eucalyptus robusta 395

Eugeissona tristis 112
Eugenia dulcis 273
Eulalia lagopus 342
Euodia retusa 337
Euodia semecarpifolia 323
Euonymus benguetensis 345
Eupatorium adenophorum 338
Eupatorium toppingianum 353
Euphorbia cyathophora 163, 175, 176
Euphorbia dulcis 273
Euphorbia esula 390
Euphorbia fischeriana 390
Euphorbia helioscopia 390
Euphorbia mellifera 273
Euphorbia pekinensis 391
Euphorbia saccharata 273
Euphorbiaceae 140, 163, 169, 175, 255, 271, 273, 274, 276, 277, 279, 319, 320, 321, 328, 329, 335, 342, 346–349, 354, 372, 390
European Cooperative Programme for Conservation and Exchange of Crop Genetic Resources (ECP/GR) 504
Euscaphis japonica 404
Evia dulcis 273
Evodia rutaecarpa 401
Fabaceae 18, 54–61, 73–85, 86–104, 292, 323, 325, 326, 329, 332–336, 338, 340, 341, 342, 345, 349, 350, 352, 353, 522–532, 533–540. *See also* Caesalpiniaceae, Leguminosae, Mimosaceae, Papilionaceae
Fagaceae 277, 339
Felidae 214, 215, 222, 224
Felis aurata 215
Felis bengalensis 215
Felis catus 214
Felis chaus 215
Felis concolor 215
Felis lynx 215
Felis manul 215
Felis pajeros 215
Felis pardalis 215
Felis rufus 215
Felis serval 215
Felis temmincki 215
Felis viverrina 215
Felis wiedii 215
Felis yagouaroundi 215
α-Fenchene 410
Fern 162, 165
Fern, bracken 321
Fern, false staghorn 329
Fern, sword 322
Fern, tree 324
Festuca glycerioides 273
Fiber, palm 438
Ficus 372
Ficus aurea 434
Ficus caulocarpa 343
Ficus pseudopalma 330
Ficus tinctoria 167, 175, 176
Ficus ulmifolia 323
Fig, strangler 434
Fimbristylis cymosa 167, 173, 175, 176
Fimbristylis merrillii 353
Fir, amabilis 180
Fir, Douglas- 180, 190
Fir, grand 180
Fir, subalpine 180
Firmiana simplex 404
Flag, sweet 329
Fleisher, Alexander, and Zhenia Fleisher, Identification of biblical hyssop and origin of the traditional use of oregano-group herbs in the Mediterranean regic . 232–241
Fleisher, Zhenia. *See* Fleisher, Alexander, and Zhenia Fleisher
Flower, day 352
Fly, onion 518
Formicidae 222
Foxtail 355
Fragaria dulcis 273
Fungi, control of, in China 376–406
Fungus, stinkhorn 163
Fusarium 515
Fusarium oxysporum 518
Gabrius 222
Galarhoeus dulcis 273
Galinat, Walton C., and Bor-Yaw Lin, Baby corn: production in Taiwan and future outlook for production in the United States 132–134
Galium saccharatum 273
Galwey, Nick W. *See* Peeters, John P., and Nick W. Galwey
Garcinia dives 327
Garcinia dulcis 273
Garcinia lateriflora 349
Gardenia taitensis 173, 175, 176
Garlic 313, 327
Garlic chives 417
Gastrolactone 222, 223
Gelsemium elegans 394
Genebanks 503
Genetic diversity 503
Genetta 215
Gentianaceae 351, 391
Geonoma dulcis 273
Gepts, P., and F. A. Bliss, Dissemination pathways of common bean (*Phaseolus vulgaris*, Fabaceae) deduced from phaseolin electrophoretic variability. II. Europe and Africa 86–104
Gepts, P., K. Kmiecik, P. Pereira, and F. A. Bliss, Dissemination pathways of common bean (*Phaseolus vulgaris*, Fabaceae) deduced

from phaseolin electrophoretic variability. I. The Americas 73–85
Gerbera piloselloides 388
Gereau, Roy E. *See* Bodner, Connie Cox, and Roy E. Gereau
Germplasm 503–521
Germplasm collections and breeding needs in Europe, John P. Peeters and Nick W. Galwey 503–521
Gesneriaceae 270
Ginger 336, 413
Ginger, crape 321
Ginger, spiral 321
Ginkgo biloba 382
Ginkgoaceae 382
Girardinia diversifolia (Urticaceae), a non-conventional fiber resource in Nepal, Shailesh C. Singh and Rhidaya Shrestha 445–447
Glechoma longituba 392
Gleditsia sinensis 386
Gleicheniaceae 329
Glochidion puberum 391
Glomerella gossypii 378, 381
Glyceria maxima 495–502
Glycyrrhiza glabra 267, 273
Gomutus saccharifer 273
Goodeniaceae 163, 175
Goodman, Major M. *See* Doebley, John, et al.
Gossypium barbadense 310, 331
Gossypium herbaceum 395
Gossypium hirsutum 310, 316, 331
Gourd, bitter 313, 340
Gourd, dishcloth 332
Gourd, ornamental 5–9, 11
Graeffea crouani 222
Gramineae 163, 167, 173, 174, 175, 270–273, 275, 276, 278, 279, 280. *See also* Poaceae
Granadilla, giant 338
Grape 174
Grass, arrow- 328
Grass, buffalo 342
Grass, cogon 331
Grass, foot 323
Grass, French 354
Grass, goose 323
Grass, Hilo 342
Grass, lemon 413
Grass, love 347
Grass, mission 354
Grass, tiger 346
Grewia 245
Grewia multiflora 321
Guava 313, 333
Guettarda speciosa 157, 170, 175, 176
Guttiferae 170, 175, 273, 280
Gymnostoma sumatrana 252
Gynerium saccharoides 273
Gynura segetum 388
Hamamelidaceae 391
Hamilton, Lawrence S., and Dennis H. Murphy, Use and management of nipa palm (*Nypa fruticans,* Arecaceae): a review 206–213
Harden, M. L., and Reza Zolfaghari, Nutritive composition of green and ripe pods of honey mesquite (*Prosopis glandulosa,* Fabaceae) 522–532
Harvesting reed sweetgrass (*Glyceria maxima,* Poaceae): effects on growth and rhizome storage of carbohydrates, K. Sundblad and K. Robertson 495–502
Hazelnut 183
Hedychium coronarium 406
Hedyotis bartlingii 353
Hedyotis romanzoffiensis 165, 175, 176
Helianthus annuus 388
Helicteres angustifolia 353
Helixanthera parasitica 329
Helminthosporium gramineum 514
Helminthosporium sativum 514
Helminthosporium teres 514
Hemagglutinins 538
Hemidiodia ocimifolia 19, 22
Hemlock, high-country 180
Hemlock, mountain 180
Hemlock, western 180, 190
Heracleum dulce 273
Herbal medicine among the Miskito of eastern Nicaragua, Philip A. Dennis 16–28
Herbs, culinary 413–419
Hernandia nymphaeifolia 157, 171, 175, 176
Hernandiaceae 171, 175
Herpestes 215
Hertel, Klemens. *See* Bower, Nathan, et al.
Hesperus 222
Hexamethonium 224
Hibiscus campylosiphon 320
Hibiscus macrophyllus 108
Hibiscus manihot 170, 175, 176
Hibiscus rosa-sinensis 158, 175, 176
Hibiscus, sea 325
Hibiscus syriacus 395
Hibiscus tiliaceus 162, 325
Hibiscus tree 162
Histidine 223
Holcus saccharatus 273
Honeysuckle, Chinese 332
Hordeum vulgare 46
Horsetail 342
Houttuynia cordata 402, 414
Hovenia dulcis 273
Hoya cumingiana 339
Hussain, R. A., A. D. Kinghorn, and D. D. Soejarto, Sweetening agents of plant origin: literature search for candidate sweet plants 267–283
Hyaenidae 215

Hydrangeaceae 322
Hydrophyllaceae 221
N-(2-*p*-Hydroxy-phenyl)ethyl-actinidine 219
5-Hydroxytryptophan 224
Hyoscyamus niger 403
Hypericum japonicum 335
Hyphaene coriacea 301–306
Hyphaene natalensis 301
Hyphomycetes 70
Hypoxidaceae 273
Hypoxis dulcis 273
Hyptis capitata 353
Hyptis suaveolens 333
Hyptis verticillata 19, 22
Hyssop 232, 233, 234, 238, 239, 240
Ichneumia 215
Identification of biblical hyssop and origin of the traditional use of oregano-group herbs in the Mediterranean region, Alexander Fleisher and Zhenia Fleisher 232–241
Illiciaceae 391
Illicium lanceolatum 391
Impatiens balsamina 385
Imperata cylindrica 331
Imperata saccharifera 274
Imperata sacchariflora 274
Indigofera hirsuta 353
Inga dulcis 274
Inga mellifera 274
Insects, control of, in China 376–406
International Board for Plant Genetic Resources (IBPGR) 504
Ipomoea 256
Ipomoea aquatica 326, 415
Ipomoea batatas 165, 175, 176, 310, 313, 316, 348
Ipomoea macrantha 162, 175, 176
Ipomoea nil 332, 349
Iridaceae 274, 391
Iridomyrmecin 218, 222
Iridomyrmex 222
Iridomyrmex humilis 222
Iridomyrmex nitidus 222
Iridomyrmex pruinosus 222
Iridomyrmex purpureus 222
Iris dichotoma 392
Iris mellita 274
Isodihydronepetalactone 216, 217, 222
Isoiridomyrmecin 218, 222
Ixora cumingiana 343
Izaño 46
Jackfruit 336
Jaggery 435
Jaguar 215
Jaguarundi 215
Jasminonerium dulce 274
Jatropha curcas 346
Jatropha dulcis 274
Jesse M. Goodman Award 1987 140
Jew's mallow 417
Job's-tears 310, 319, 324
Johns, Timothy. *See* Camino, Alejandro, and Timothy Johns
Jojoba 537, 538
Juglandaceae 336, 392
Juglans mandshurica 392
Juglans regia 392
Juniper 178, 189
Juniper, common 180
Juniper, Rocky Mountain 180
Juniperus 190
Juniperus communis 180, 181, 184, 185, 186, 189–192
Juniperus scopulorum 180, 181, 183–187, 189–192
Justicia procumbens 353
Jute, tussa 343
Kalanchoe integra 346
Kalanchoe pinnata 169, 175, 176, 346
Kerguelen-cabbage 288–291
The Kerguelen-cabbage, *Pringlea antiscorbutica* (Brassicaceae), John W. Thieret and Steven B. Young 288–291
Kinghorn, A. D. *See* Hussain, R. A., et al.
Kmiecik, K. *See* Gepts, P., et al.
Kobiosis mellifera 274
Kokkini, S. *See* Vokou, D., et al.
Korthalsia rigida 109
Korthalsia scortechinii 109
Kudzu 325
Kuebel, K. R., and Arthur O. Tucker, Vietnamese culinary herbs in the United States 413–419
Kyllinga melanosperma 326
Labiatae 167, 170, 175, 274, 275, 392. *See also* Lamiaceae
Lablab purpureus 332
Lagenaria 5
Lagenaria siceraria 9
Lagerstroemia speciosa 327
Laki-laki 45–53
Laki-laki (*Dennstaedtia glauca*, Polypodiaceae): a green manure used in traditional Andean agriculture, Alejandro Camino and Timothy Johns 45–53
Lamiaceae 19, 22, 214, 220, 221, 333, 344, 353, 355, 372, 407–412, 416, 417. *See also* Labiatae
Lantana 343
Lantana camara 343
Laphranthus dulcis 274
Laportea ruderalis 158, 169, 175, 176
Larch, deciduous 183
Larch, western 180
Lardizabalaceae 393
Larix 183, 184, 185, 189–192

Larix occidentalis 180
Lauraceae 162, 175, 201, 202, 274, 276, 319, 346, 393
Laurentia longiflora 327
Lauric acid 195, 202
Lauric oil resources, David Arkcoll 195–205
Lauric oils 195–205
Laurus dulcis 274
Leaf blotch 514
Leaf of life 346
Leaf rot 518
Leaf stripe disease 514
Leea guineensis 325, 372
Leeaceae 325, 372
Leek 417
Leek moth 518
Legume 242, 248
Leguminosae 158, 166, 175, 270, 271, 273–277. *See also* Caesalpiniaceae, Fabaceae, Mimosaceae, and Papilionaceae
Lens 537
Leonurus sibiricus 392
Leopard 215, 216
Leopard, clouded 215
Leopard, snow 215
Lepidagathis dulcis 274
Lepidium bidentoides 169
Lepidium meyenii 37
Lepturus acutiglumis 167, 175
Lepturus repens 167, 175
Leucaena glauca 395
Leucaena leucocephala 331
Leucosyke capitellata 320
Leukemia, lymphocytic 65, 69
Levin, Geoffrey A. 140
Ligustrum pubinerve 327
Liliaceae 278, 327, 345, 353, 393, 417
Lily 166
Lime, musk 333
Limnophila aromatica 353, 417
Limonene 235, 238, 409
Limonia dulcis 274
Lin, Bor-Yaw. *See* Galinat, Walton C., and Bor-Yaw Lin
Linalool 235, 238, 409
Linalyl acetate 409, 410
Lindenbergia philippensis 353
Lindera strychnifolia 393
Lindernia anagallidea 354
Lindernia crustacea 354
Lindernia diffusa 20, 22
Lion 215, 216
Lippia dulcis 267, 268, 274
Lippia javanica 221
Liquidambar formosana 391
Lithocarpus solerianus 339
Litsea cubeba 393
Litsea perrottetii 346
Liverwort 64
Lobelia chinensis 394
Lobelia melliana 274
Lobeliaceae 274, 394
Loganiaceae 279, 394
Lonicera japonica 386
Lontarus sylvestris 420
Loranthaceae 329
Ludwigia octovalvis 20, 22, 166, 175, 176, 330
Ludwigia peploides 354
Luffa acutangula 389
Luffa cylindrica 332, 389
Lupine 537
Lupinus mutabilis 46
Lycopersicon 145, 146, 147, 152, 153
Lycopersicon esculentum 145, 146, 152, 403
Lycopersicon lycopersicum 333
Lycopersicon pimpinellifolium 146
Lycopersicum dulcamara 274
Lycopodiaceae 372
Lycopodium cernuum 372
Lycoris aurea 383
Lycoris radiata 383
Lygodium auriculatum 326
Lygodium japonicum 382
Lygodium lanceolatum 373, 374
Lynx, European 215
Lythraceae 163, 175, 200, 327, 351
Macaranga tanarius 348
Macleaya cordata 396
Macrosiphonia dulcis 274
Magnoliaceae 322
Maguey 337
Mahonia bealei 385
Maize 47, 82, 86, 120–131, 313, 348
Majino, S. *See* Stegemann, H., et al.
Majorana onites 407
Majorana syriaca 232, 234–239
Malabar spinach 417
Malagasy 370
Mallotus philippinensis 391
Mallow, Jew's 417
Malpighia saccharina 274
Malpighiaceae 274
Malvaceae 19, 22, 158, 167, 170, 175, 320, 323, 325, 331, 332, 349, 350, 395
Mangetti 533
Mangifera indica 20, 22, 166, 175, 176, 219, 338
Mango 338
Manicaria saccifera 201
Manihot esculenta 255, 313, 320
Manioc 255, 313, 320
Marama bean 533–540
Maramma 533
Maranta arundinacea 320
Maranta ruiziana 256
Marantaceae 320

Marrow 5–8, 10, 11
Maximiliana 201
Maytenus 69
McCarthy, M. A., and F. I. Meredith, Nutrient data on chestnuts consumed in the United States 29–36
McCloud, Tom. *See* Spjut, Richard W., et al.
Mecamylamine 224
Medicinal plants 16–28
Medicine, herbal 16–28
Medinilla lagunae 325
Medinilla pendula 326
Melaleuca viridiflora 372
Melanoides tuberculata 253
Melastoma candidum 344
Melastomataceae 18, 325, 326, 344, 354, 372
Melia azedarach 377, 378, 395
Meliaceae 275, 320, 343, 377, 395
Melilotus officinalis 397
Melochia villosa 20, 22
Membership, Society for Economic Botany 141
Menispermaceae 372, 395
Menispermum dauricum 395
Mentha dulcissima 274
Mentha × *gracilis* 418
Mentha haplocalyx 392
Mentha spicata 418
Menyanthaceae 220
Menyanthes trifoliata 220, 222
Meredith, F. I. *See* McCarthy, M. A., and F. I. Meredith
Mesembryanthemum dulce 274
Mesquite, honey 522–532
Metaplexis japonica 385
Methysergide 224
Microcystis 68
Mikania micrantha 20, 22, 23, 25, 26
Mildew, downy 518
Mildew, powdery 514
Milkweed 351
Millet 313
Millet, barnyard 342
Millet, foxtail 343
Millettia pachycarpa 397
Millettia reticulata 397
Milnea dulcis 275
Mimosaceae 219, 331, 335, 339, 395. *See also* Fabaceae, Leguminosae
Mimosa dulcis 275
Mimosa mellifera 275
Mimosa pudica 335
Miner's grape 151
Mint 417, 418
Miscanthus floridulus 328
Miscanthus sacchariflorus 275
Miskito 16–28
Mites, control of, in China 376–406
Mitracarpus villosus 354
Mitsugashiwalactone 220, 222, 223
Momordica charantia 286, 287, 313, 340, 389
Momordica cochinchinensis 389
Monochoria vaginalis 325
Moraceae 167, 174, 175, 323, 330, 336, 337, 339, 343, 372
Morama 533
Moramma nut 533
Morinda citrifolia 157, 169, 175, 176
Moringa pterygosperma 337
Moringaceae 337
Morphine 223
Morton, Julia F., Notes on distribution, propagation, and products of *Borassus* palms (Arecaceae) 420–441
Morus alba 337
Moss 62, 64, 66–69
Moth, leek 518
Mucuna nigricans 341
Mucuna pruriens 316, 334
Mulberry, white 337
Munronia hainanensis 378
Munronia simplicifolia 378
Murdannia nudiflora 354
Murphy, Dennis H. *See* Hamilton, Lawrence S., and Dennis H. Murphy
Musa 310, 326
Musa paradisiaca 158, 175, 176, 251
Musaceae 158, 162, 175, 326
Mussaenda benguetensis 344
α-Muurolene 409, 410
Myoporaceae 221, 275
Myoporum desertii 221
Myoporum dulce 275
Myrcene 235, 238, 409
Myrialepis paradoxa 110
Myrica rubra 395
Myricaceae 395
Myristicaceae 201, 372
Myrsinaceae 347
Myrtaceae 273, 277, 328, 333, 351, 372, 395
Nandina domestica 385
Nandinia 215
Neck rot 518
Neem 377, 378
Neisosperma oppositifolia 162, 175, 176
Nematode, stem and bulb 518
Nemophila insignis 221
Nemophila menziesii 221
Neofelis nebulosa 215
Neonauclea vidalii 348
Neonepetalactone 216, 217, 222, 224
Neostigmine 224
Nepenthaceae 326
Nepenthes alata 326
Nepeta cataria 214, 215, 216, 223

Nepeta citriodora 216
Nepeta × *faassenii* 216
Nepeta hindostana 216
Nepeta lanceolata 216
Nepeta leucophylla 217
Nepeta mussinii 216, 223
Nepeta nepetella 216, 223
Nepeta saccharata 275
Nepeta sibthorpii 216
Nepetalactone 216, 217, 222, 224
Nephrolepis hirsutula 165, 175, 176, 322
Nerium oleander 169, 175, 176, 383
Net blotch 514
Nicotiana rustica 404
Nicotiana tabacum 219, 346, 404
Nightshades 145, 321
Nipa palm 206–213
4-Noractinidine 223
Norris, Daniel H. *See* Spjut, Richard W., et al.
Nostoc 62, 68, 70
Nostoc commune 68
Nostoc muscorum 68
Nostoc parmelioides 68, 70
Notes on distribution, propagation, and products of *Borassus* palms (Arecaceae), Julia F. Morton 420–441
Nut, cashew 31, 34
Nut, macadamia 31
Nut, physic 346
Nut, pistachio 31, 34
Nutrient data on chestnuts consumed in the United States, M. A. McCarthy and F. I. Meredith 29–36
Nutritional evaluation of marama bean (*Tylosema esculentum,* Fabaceae): analysis of the seed, Nathan Bower, Kelmens Hertel, Justin Oh, and Richard Storey 533–540
Nutritional value of palm wine from *Hyphaene coriacea* and *Phoenix reclinata* (Arecaceae), A. B. Cunningham and A. S. Wehmeyer 301–306
Nutritive composition of green and ripe pods of honey mesquite (*Prosopis glandulosa,* Fabaceae), M. L. Harden and Reza Zolfaghari 522–532
Nyctaginaceae 169, 171, 175, 270
Nypa fruticans 206–213
Oca 37–43, 46
Ocelot 215
Ocimum basilicum 418
Ocimum gratissimum 372, 374
Ocimum saccharoides 275
Ocimum sanctum 167, 175, 176
3-Octanol 410
Octen-1-ol-3 410
1-Octen-3-ol 235
Oenanthe javanica 323, 416
Oh, Justin. *See* Bower, Nathan, et al.
Okra 349
Oils, volatile 407–412
Oleaceae 327
Olluco 46
Omalanthus fastuosus 354
Omalanthus populneus 253, 321
Onagraceae 20, 166, 175, 330, 354
Onikulactone 220, 221, 223
Onion 345
Onion fly 518
Opiliaceae 337
Oplismenus compositus 354
Opuntia dillenii 386
Opuntia dulcis 275
Orbignya 195
Orbignya cohune 195, 199
Orbignya phalerata 198
Orchid 154
Orchidaceae 271, 272, 276, 320, 324, 333, 356, 396
Oregano 232, 233, 234, 239, 240, 407, 411, 416
Oregano, Cuban 416
Oregano, Greek 411
Oregano, Puerto Rico 416
Origanum 407
Origanum dictamnus 221
Origanum heracleoticum 232, 233
Origanum maru 235
Origanum onites 407–412
Origanum onites (Lamiaceae) in Greece: distribution, volatile oil yield, and composition, D. Vokou, S. Kokkini, and J-M. Bessière 407–412
Origanum vulgare 232, 238, 240, 411
The origin of cornbelt maize: the isozyme evidence, John Doebley, Jonathan D. Wendel, J. S. C. Smith, Charles W. Stuber, and Major M. Goodman 120–131
Origin(s), evolution, and systematics of *Cucurbita pepo* (Cucurbitaceae), Deena S. Decker 4–15
Orobanchaceae 220
Orostachys fimbriatus 389
Oryza sativa 316, 339
Osbeckia chinensis 354
Osmorrhiza dulcis 275
Oxalidaceae 37–44, 325, 396
Oxalis corniculata 325, 396
Oxalis tuberosa 37–44, 46
Oxalis, yellow 325
Pachyrhizus 397
Pachyrhizus erosus 345
Pacouria dulcis 275
Paederia scandens 401, 418
Paederia tomentosa 418
Paguma 215

Palm, African oil 195, 197, 202
Palm, babassu 195, 198
Palm, brab 420
Palm, cabbage 434
Palm, char 420
Palm, desert 420
Palm, fan 420
Palm, tar 420
Palm, wine 301–306
Palmae 167, 170, 175, 271, 272, 273. *See also* Arecaceae
Pandanaceae 158, 165, 175
Pandanus 157–161, 163
Pandanus spurius 165, 175, 176
Pandanus tectorius 157, 158, 175, 176
Pangium edule 251
Panicum cordatum 322
Panicum repens 354
Panicum saccharatum 275
Panicum sacchariferum 275
Panicum sacchariflorum 275
Panicum saccharoides 275
Panthera leo 215
Panthera onca 215
Panthera pardus 215
Panthera tigris 215
Panthera uncia 215
Papaveraceae 396
Paphiopedilum insigne 396
Papilionaceae 396. *See also* Fabaceae, Leguminosae
Papaya 157, 158, 340
Pappophorum saccharoides 275
Parameria barbata 354
Parkia speciosa 118
Paspalum conjugatum 174, 175, 342
Paspalum saccharoides 275
Passiflora quadrangularis 338
Passifloraceae 338
Paulownia tomentosa 385
Pea 537, 538
Pea, pigeon 313
Peanut 313, 338
Pecan 31
Peeters, John P., and Nick W. Galwey, Germplasm collections and breeding needs in Europe, 503–521
Pemphis acidula 157, 163, 175, 176
Pennisetum polystachion 354
Pennywort, Indian 351
Pentobarbitol 224
Peperomia marivelesana 354
Pereira, P. *See* Gepts, P., et al.
Pereskia saccharosa 276
Periandra dulcis 267, 268, 276
Perilla frutescens 392, 417
Periploca sepium 385
Peritassa dulcis 276
Periwinkle, Madagascan 375
Peronospora destructor 518
Persea americana 319
Persea dulcis 276
Pest control plants 376–406
Pesticidal plants 376–406
Pesticides, plants used for, in China 376–406
Pests, control of, in China 376–406
Phaius philippinensis 324
Phalaris arundinacea 188
Phaseolin 73–85, 86–102
Phaseolus 310, 537, 538
Phaseolus lunatus 340
Phaseolus saccharatus 276
Phaseolus sublobatus 58
Phaseolus vulgaris 73–85, 86–104, 313, 342
α-Phellandrene 235, 238, 409
β-Phellandrene 409, 410
β-Phenylethyl alcohol 218, 219
Philonthus 222
Phoenix reclinata 301–306
Phoenix sylvestris 420
Pholidota 320
Photinia serrulata 401
Phragmites karka 347
Phreatia dulcis 276
Phryma leptostachya 398
Phrymaceae 398
Phyllanthus 372
Phyllostachys dulcis 276
Phymatodes scolopendria 355
Phymatosorus scolopendria 165, 175, 176
Physalis alkekengi 404
Physostigmine 224
Phytolacca acinosa 398
Phytolaccaceae 398
Phytophthora infestans 378, 381
Picea 185, 186, 191, 192
Picea engelmannii 180, 181, 184–187, 191
Picea sitchensis 180, 181, 186, 191
Picrasma quassioides 403
Pierardia dulcis 276
Pieris japonica 390
Pilocarpine 224
Pinaceae 180, 327, 382
Pine, Benguet 327
Pine, lodgepole 180, 182
Pine, ponderosa 180, 181, 192
Pine, western white 180
Pine, whitebark 180, 182
Pine family 180
Pineapple 342
Pinellia ternata 384
α-Pinene 235, 238, 409
β-Pinene 235, 238
Pinus 190

Pinus albicaulis 180–184, 186, 191
Pinus contorta 180–186, 189–192
Pinus insularis 327
Pinus massoniana 382
Pinus monticola 180, 184–187, 190, 191, 192
Pinus ponderosa 180, 183–187, 190, 191, 192
Pinus tabuliformis 382
Piper 20, 22
Piper betle 334
Piper dulcis 276
Piper lolot 414
Piperaceae 20, 276, 334, 354, 414
Pipturus arborescens 335
Pipturus argenteus 162, 175, 176
Pisonia grandis 157, 171, 175, 176
Pistacia chinensis 383
Pisum saccharatum 276
Pisum sativum 87, 529
Pithecolobium dulce 276
Pittosporaceae 342
Pittosporum pentandrum 342
Plagiolactone 222, 223
Plant, air 346
Plant disease, control of, in China 376–406
Plant, pitcher 326
Plant, sensitive 335
Plantain [*Musa*] 256, 257
Plants, medicinal 16–28
Plants used for pest control in China: a literature review, R. Z. Yang and C. S. Tang 376–406
Platycarya stenoptera 392
Platycladus orientalis 382
Plectocomia dransfieldiana 110
Plectocomia elongata 110, 113
Plectocomiopsis geminiflora 110, 111, 113, 116, 118
Plectranthus amboinicus 416
Plectranthus scutellarioides 344
Plumeria obtusa 170, 175
Plumeria rubra 170, 175
Pneumatopteris ligulata 355
Poa dulcis 276
Poa glycerioides 276
Poaceae 120–131, 132–134, 319, 321–325, 328, 336, 339, 342, 343, 346–350, 353, 354, 355, 373, 495–502. *See also* Gramineae
Podocarpaceae 276
Podocarpus dulcamara 276
Pogonatherum saccharoideum 276
Pogostemon velatus 355
Poikilospermum warburgii 322
Polianthes tuberosa 339
Polygala persicariifolia 355
Polygalaceae 355
Polygonaceae 355, 398, 414
Polygonatum officinale 394
Polygonatum sibiricum 394
Polygonum aviculare 398
Polygonum barbatum 355
Polygonum flaccidum 398
Polygonum hydropiper 398
Polygonum longisetum 398
Polygonum minus 355
Polygonum nodosum 398
Polygonum odoratum 414
Polygonum perfoliatum 398
Polypodiaceae 20, 45–53, 165, 175, 332, 355, 382
Polypodium 19
Polypodium glycyrrhiza 66, 67
Polypodium ?lycopodioides 20, 22
Polypodium vulgare 269
Polyscias guilfoylei 169, 175
Polyscias scutellaria 169, 175
Pontederiaceae 325
Populus balsamifera 178, 181
Portulaca oleracea 165, 172, 175, 399
Portulaca quadrifida 165
Portulaca samoensis 165, 173, 175
Portulacaceae 165, 172, 175, 346, 399
Potato 37, 38, 39, 41, 42, 45, 46, 47, 51, 86, 538
Potato, sweet 86, 256, 348
Potatoe 145
Poupartia dulcis 276
Premna microphylla 406
Pringle, Sir John 291
Pringlea antiscorbutica 288, 290
Pritchardia pacifica 170, 175, 176
Procris pedunculata 163, 175, 176
Propranolol 224
Prosopis 522–532
Prosopis africana 527
Prosopis cineraria 523
Prosopis dulcis 277
Prosopis glandulosa 522–532
Prosopis juliflora 525–528
Prosopis tamarugo 523, 526, 528, 529
Prosopis velutina 525, 527
Protea mellifera 277
Proteaceae 277
Prunus dulcis 277
Prunus emarginata 188
Prunus marsupialis 340
Prunus persica 401
Pseudelephantopus spicatus 339
Pseuderanthemum carruthersii 171, 175, 176
Pseudolarix kaempferi 382
Pseudoperonospora cubensis 378, 381
Pseudotsuga 184–187, 189, 190, 192
Pseudotsuga menziesii 180, 181, 183, 188, 191
Psidium dulce 277
Psidium guajava 251, 333, 372, 396
Psilotaceae 162, 175
Psilotum nudum 162, 175, 176

Psophocarpus tetragonolobus 310, 329
Pteridaceae 321, 326
Pteridium aquilinum 321, 382
Puccinia glumarum 381
Puccinia graminis 378, 381, 514
Puccinia hordei 514
Puccinia porri 518
Puccinia rubigavera 378, 381
Puccinia striiformis 514
Pueraria lobata 316, 325, 397
Pueraria yunnanensis 397
Pulmonaria saccharata 277
Pulsatilla chinensis 400
Puma 215
Pummelo 337
Pumpkin 5–11, 174, 333
Punica granatum 399
Punicaceae 399
Pyrenochaeta terrestris 518
Pyricularia oryzae 378, 381
Pyrrosia adnascens 355
Pyrrosia drakeana 382
Pythius dulcis 277
Quansah, Nat., Ethnomedicine in the Maroantsera region of Madagascar, 370–375
Quercus mellifera 277
Quingua 464, 468, 470–473, 480–486, 488–491
Quinua 461–477, 478–494
Quinua biosystematics I: domesticated populations, Hugh D. Wilson 461–477
Quinua biosystematics II: free-living populations, Hugh D. Wilson 478–494
Quisqualis indica 332, 387
Radermachera gigantea 325
Ramie 341
Ranunculaceae 277, 334, 399
Ranunculus acris 400
Ranunculus cantoniensis 400
Ranunculus dulcis 277
Rats, control of, in China 376–406
Rattan 105–119, 310, 337
Ravenala madagascariensis 373
Redtop, Natal 349
Reed, tropical 347
Reed, sweetgrass 495–502
Repellents, insect 376–406
Report of the 28th Annual Meeting, Society for Economic Botany 135–137
Rhamnaceae 273, 277, 330, 400
Rhamnus crenata 400
Rheum officinale 398
Rhizoctonia solani 378, 381
Rhizome growth 495–502
Rhododendron molle 390
Rhodomyrtus tomentosa 396
Rhus chinensis 383
Rhus verniciflua 383
Rhynchelytrum repens 349
Rhynchosporium secalis 514
Rice 313, 339
Richardella dulcifica 268, 277
Ricinus 209
Ricinus communis 391
Rick, Charles M., Jr. 3, 136
Rick, Charles M., Tomato-like nightshades: affinities, autecology, and breeders' opportunities 145–154
Robertson, K. *See* Sundblad, K., and K. Robertson
Rochelia saccharata 277
Rohdea japonica 394
Root rots 515
Rootrot, horse bean 381
Rorippa indica 335
Rosa dulcissima 277
Rosa philippinensis 344
Rosaceae 270, 272, 273, 277, 278, 329, 340, 341, 344, 401
Rose, Philippine 344
Rot, leaf 518
Rot, neck 518
Rot, root 515
Rot, white 518
Rottboellia exaltata 321
Rottboellia ophiuroides 347
Rubia cordifolia 401
Rubiaceae 18, 19, 165, 169, 170, 173, 175, 279, 334, 335, 343, 344, 348, 353, 354, 401, 418
Rubus dulcis 277
Rubus fraxinifolius 341
Rubus parviflorus 401
Rubus rosifolius 329
Ruellia dulcis 277
Rumex acetosa 399
Rumex crispus 399
Rumex dentatus 399
Rungia philippinensis 355
Rust 518
Rust, black 514
Rust, brown 515
Rust, dwarf leaf 514
Rust, yellow 514
Rutaceae 167, 173, 175, 272, 274, 323, 333, 337, 401
Sabal palmetto 434
Sabinene 410
Saccharodendron saccharinum 277
Saccharum 325
Saccharum officinarum 173, 175, 176, 267, 268, 350, 357
Saccharum sinense 310, 316, 350, 357
Saccharum spontaneum 348, 357
Sageretia melliana 277

Saguerus saccharifer 277
Salicaceae 402
Salix babylonica 402
Salvia plebeia 392
Sambucus williamsii 386
Sandoricum koetjape 343
Sanguisorba officinalis 401
Santol 343
Sapindaceae 340, 402
Sapindus mukorossii 402
Sapium sebiferum 391
Sapotaceae 271, 277, 279, 331
Sarcandra glabra 332
Sargentodoxa cuneata 402
Sargentodoxaceae 402
Sasikumar, B., and S. Sardana, *Vigna vexillata* (Fabaceae), a pulse cum tuber crop of northeastern hill region of India 292
Satureja thymbra 234, 235, 237, 240
Saurauia bontocensis 330
Saurauia elegans 350
Saururaceae 402, 414
Savory oil 234
Saxifragaceae 402
Scaevola sericea 157, 163, 173, 175, 176
Scandix dulcis 277
Scheelea macrocarpa 201
Scheelea martiana 195, 199
Schefflera octophylla 385
Schima superba 405
Schismatoglottis calyptrata 341
Schizaeaceae 373, 382
Schizonepeta tenuifolia 393
Schizostachyum brachycladum 253
Schmiediche, P. *See* Stegemann, H., et al.
Scirpus juncoides 348
Scleria scrobiculata 341
Sclerocarya birrea 304
Sclerotium cepivorum 518
Scoparia dulcis 20, 22, 24, 278
Screwpine 157, 159, 165
Scrophularia mellifera 278
Scrophulariaceae 20, 271, 272, 278, 353, 354, 402, 417
Scutellaria baicalensis 393
Sechium edule 344
Securinega virosa 391
Sedum mellitulum 278
Seed protein and amino acid composition of wild *Vigna radiata* var. *sublobata* (Fabaceae) and two cultigens, *V. mungo* and *V. radiata*, C. R. Babu, Subodh K. Sharma, S. R. Chatterjee, and Y. P. Abrol 54–61
Selaginella mollendorfii 355
Selaginellaceae 355
Semai 105–119
Semiaquilegia adoxoides 400
Senecio scandens 389
Senna alata 20, 22, 23, 24, 27
Senna obtusifolia 335
Senna occidentalis 19, 21, 22, 332, 355
Septoria leaf and glume blotch 515
Septoria passerinii 515
Sesbania grandiflora 334
Sesuvium portulacastrum 165
Setaria geniculata 355
Setaria italica 313, 316, 343
Setaria palmifolia 336
Sharma, K. *See* Babu, C. R., et al.
Shrestha, Rhidaya *See* Singh, Shailesh C., and Rhidaya Shrestha
Shuteria vestita 336
Sida acuta 22
Sida rhombifolia 167, 175, 332
Sideroxylum dulcificum 278
Siegesbeckia orientalis 345
Silene mellifera 278
Simaroubaceae 402
Singh, Shailesh C., and Rhidaya Shrestha, *Girardinia diversifolia* (Urticaceae), a non-conventional fiber resource in Nepal 445–447
Site conditions and nutrient status of *Cordeauxia edulis* (Caesalpiniaceae) in its natural habitat in central Somalia, Pay Drechsel and Wolfgang Zech 242–249
Skimmia reevesiana 401
Slugs, control of, in China 376–406
Small-scale utilization of rattan by a Semai community in West Malaysia, Wanda Avé 105–119
Smartweed 355
Smilacaceae 327, 403
Smilax china 327
Smilax dulcis 278
Smilax glabra 403
Smilax glycophylla 278
Smith, C. Earle, Jr. 284, 285
Smith, J. S. C. *See* Doeble John, et al.
Smut, black 515
Smut, covered 515
Smut, loose 515
Society for Economic Botany, Membership 141
Society for Economic Botany, Report of the 28th Annual Meeting, 135–137
Society for Economic Botany: 29th Annual Meeting 154
Soejarto, D. D. *See* Hussain, R. A., et al.
Solanaceae 145, 170, 175, 219, 274, 278, 321, 333, 345, 346, 347, 373, 403, 418
Solanum 145, 146, 148, 150, 153
Solanum × *curtilobum* 46
Solanum dulcamara 278, 404
Solanum dulcamaroides 278
Solanum dulcamarum 278

Solanum indicum 373, 374
Solanum juglandifolium 145, 147, 148, 150, 151, 153
Solanum × *juzepczukii* 46
Solanum lycopersicoides 145–148, 150–153
Solanum melongena 313, 347
Solanum nigrum 321, 404
Solanum ochranthum 145, 147–153
Solanum rickii 145, 147, 148, 150, 151, 153
Solanum viride 170, 175, 176
Solenopsis invicta 219
Sonchus arvensis 336, 389
Sophora flavescens 397
Sophora japonica 397
Sorbus dulcis 278
Sorghum 328
Sorghum bicolor 316, 328
Sorghum dulcicaule 278
Sorghum mellitum 278
Sorghum saccharatum 278
Soursop 331
Soybean 537, 538
Spanish origanum essential oil 234
Spearmint, Scotch 418
Sphaerostephanos polisianus 356
Spinach, Malabar 417
Spjut, Richard W., John M. Cassady, Tom McCloud, Matthew Suffness, Daniel H. Norris, Gordon M. Cragg, and Charles F. Edson, Variation in cytotoxicity and antitumor activity among samples of the moss *Claopodium crispifolium* (Thuidiaceae) 62–72
Spondias dulcis 278
Spot blotch 514
Spruce, Engelmann 180
Spruce, Sitka 180
Spurge, hairy 347
Squash 313
Squash, acorn 5–8, 10, 11
Stachytarpheta jamaicensis 333
Stachytarpheta urticifolia 167, 175
Stalagmitis dulcis 278
Staphyleaceae 350, 404
Staphylinidae 222
Stegemann, H., S. Majino, and P. Schmiediche, Biochemical differentiation of clones of oca (*Oxalis tuberosa*, Oxalidaceae) by their tuber proteins and the properties of these proteins 37–44
Stellera chamaejasme 378, 405
Stem and bulb nematode 518
Stemona 377
Stemona japonica 404
Stemona sessilifolia 404
Stemona tuberosa 404
Stemonaceae 404
Stenandrium dulce 278
Stenolobium stans 220
Sterculia montana 340
Sterculiaceae 20, 340, 353, 404
Stevia phlebophylla 281
Stevia rebaudiana 268, 269
Stipa ichu 46
Storey, Richard *See* Bower, Nathan, et al.
Strelitziaceae 373
Strophanthus divaricatus 384
Strychnos 113
Strychnos dulcis 279
Stuber, Charles W. *See* Doebley, John, et al.
Suffness, Matthew *See* Spjut, Richard W., et al.
Sugar, Douglas-fir 181, 183, 188
Sugarcane 210, 310, 313, 350
Sugarcane, native 350
Sugarcane, wild 348
Sundblad, K., and K. Robertson, Harvesting reed sweetgrass (*Glyceria maxima*, Poaceae): effects on growth and rhizome storage of carbohydrates 495–502
Sunflower, 86, 320
Sweet potato 210, 310, 313
Sweetening agents of plant origin: literature search for candidate sweet plants, R. A. Hussain, A. D. Kinghorn, and D. D. Soejarto 267–283
Sweetgrass, reed 495–502
Swertia chinensis 391
Syagrus 195
Syagrus botryophora 200
Syagrus coronata 199, 200
Syagrus oleracea 200
Synsepalum dulcificum 267, 279
Syzygium lineatum 328
Tacca leontopetaloides 167, 175, 176
Taccaceae 167, 175
Talauma villariana 322
Talinum 346
Talinum triangulare 346
Tamarind 343
Tamarind, wild 331
Tamarindus indica 343
Tang, C. S. *See* Yang, R. Z., and C. S. Tang
Tapinoma 222
Tapinoma sessile 222
Tar 438
Taro 256, 310, 347
Tarwi 46
Taxaceae 180
Taxus 184–187, 192
Taxus brevifolia 62, 135, 180, 183, 191
Tecoma radicans 221
Tecoma stans 220, 223
Tecostidine 223
Tepary 537

Terminalia catappa 171, 175, 176
Terminalia samoensis 171, 175
Terpien-4-ol 235, 238
α-Terpinene 235, 238
γ-Terpinene 235, 238, 409, 410, 411
α-Terpineol 235, 238, 409
Terpineol-4 409
Terpinolene 235, 238, 410, 411
Tetrastigma papillosum 329
Teucrium marum 220, 223
Thaumatococcus daniellii 268
Thea melliana 279
Theaceae 219, 271, 279, 319, 344, 404
Thelypteridaceae 352, 355, 356
Themeda triandra 324, 346
Theobroma cacao 332
Theophrastus 86
Thevetia peruviana 341
Thibaudia mellifera 279
Thibaudia melliflora 279
Thieret, John W., and Steven B. Young, The Kerguelen-cabbage, *Pringlea antiscorbutica* (Brassicaceae) 288–291
Thieret, John W. *See* Baird, John R., and John W. Thieret
Thistle, perennial sow 336
Thladiantha grosvenorii 269
Thompson and Lillooet Interior Salish 177–194
Thuidiaceae 62–72
Thuja 183–187, 190, 192
Thuja plicata 180, 181, 188, 191
α-Thujene 235, 409
Thujone carvone 411
Thymbra spicata 234, 237, 240
Thyme 233
Thymelaeaceae 329, 378, 405
Thymol 234–238
Thymus serpyllum 393
Thysanolaena maxima 346
Ti 330
Tiarrhena sacchariflora 279
Tiger 215
Tilia mellita 279
Tiliaceae 173, 175, 279, 321, 323, 343, 356, 417
Tippo, Oswald 137
Tithonia diversifolia 320
Tithymalus dulcis 279
Tithymalus melliferus 279
Tobacco 313, 346
Toddy 434
Tomato 3, 145, 146, 152, 153, 333
Tomato-like nightshades: affinities, autecology, and breeders' opportunities, Charles M. Rick 145–154
Tournefortia argentea 157, 172, 173, 175, 176
Trans-sabinene hydrate 410
Trans-thujanol 409, 410
Tree, be still 341
Tree, coniferous 177–194
Tree, horseradish 337
Tree, lead 331
Trema orientalis 335
Trichilia connaroides 378
Trichilia sinensis 378
Tricholaena saccharoides 279
Tridax procumbens 356
Trionyx cartilagineus 110
Tripterygium hypoglaucum 386
Tripterygium wilfordii 377, 378, 387
Tristemma virusanum 372
Tristemon texanum 12
Triumfetta benguetensis 356
Triumfetta procumbens 157, 173, 175, 176
Triumfetta rhomboidea 323
Tropaeolum tuberosum 37, 46
Trypsin inhibitor 524, 528, 538
Tsin 533
Tsuga 186, 192
Tsuga heterophylla 180, 181, 183–186, 188, 190, 191
Tsuga mertensiana 180, 181, 191
Tuberose 339
Tucker, Arthur O., and Sharon S. Tucker, Catnip and the catnip response, 214–231
Tucker, Arthur O. *See* Kuebel, K. R., and Arthur O. Tucker
Tucker, Sharon S. *See* Tucker, Arthur O., and Sharon S. Tucker
Turmeric 413
Turner, Nancy J., Ethnobotany of coniferous trees in Thompson and Lillooet Interior Salish of British Columbia 177–194
Turpinia ovalifolia 350
Turraea pubescens 378
Tylophora ovata 385
Tylosema esculentum 533–540
Typha angustifolia 496
Typhonium giganteum 384
Ullucus tuberosus 37, 46
Ulmaceae 335
Umbelliferae 271, 272, 273, 275, 277, 405. *See also* Apiaceae
Urena lobata 323
Urticaceae 158, 162, 163, 175, 320, 330, 335, 341
Use and management of nipa palm (*Nypa fruticans,* Arecaceae): a review, Lawrence S. Hamilton and Dennis H. Murphy 206–213
Ustilago hordei 515
Ustilago nigra 515
Ustilago nuda 515
Uvaria dulcis 279
Vaccinium benguetense 327
Vaccinium melliflorum 279
Vaillantia saccharata 279

Valeriana celtica 219
Valeriana officinalis 219
Valeriana shu 221
Valerianaceae 219, 221
Valota saccharata 279
Variation in cytotoxicity and antitumor activity among samples of the moss *Claopodium crispifolium* (Thuidiaceae), Richard W. Spjut, John M. Cassady, Tom McCloud, Matthew Suffness, Daniel H. Norris, Gordon M. Cragg, and Charles F. Edson 62–72
Veratrum 377
Veratrum grandiflorum 394
Veratrum maackiii 394
Veratrum nigrum 394
Verbena officinalis 406
Verbena, false 333
Verbenaceae 167, 175, 221, 274, 333, 343, 406
Vernonia arborea 319
Vernonia cinerea 167, 171, 175
Veronicastrum axillare 402
Verrain 333
Verticillium albo-atrum 381
Vetch, joint 350
Viburnum luzonicum 324
Viburnum odoratissimum 338
Viburnum opulus 221
Vicia faba 46
Vietnamese culinary herbs in the United States, K. R. Kuebel and Arthur O. Tucker 413–419
Vigna 310
Vigna mungo 54–61
Vigna radiata 54–61, 313, 316, 338
Vigna umbellata 312, 313, 316, 326, 333
Vigna unguiculata 87, 350
Vigna vexillata 292
Vigna vexillata (Fabaceae), a pulse cum tuber crop of northeastern hill region of India, B. Sasikumar and S. Sardana 292
Vilfa dulcis 279
Viola philippica 345
Violaceae 345
Violet 174
Virola 201
Virus, cucumber mosaic 152
Vitaceae 406
Vittaria rigida 162, 175
Vittariaceae 162, 175
Virus, barley stripe mosaic 515
Virus, barley yellow mosaic 515
Virus, barley yellow dwarf 515
Vitaceae 280, 324, 329, 330
Vitex cannabifolia 406
Vitex negundo 406
Vitis saccharina 280
Viverra 215, 224
Viverridae 215, 224
Vokou, D., S. Kokkini, and J-M. Bessière, *Origanum onites* (Lamiaceae) in Greece: distribution, volatile oil yield, and composition 407–412
Vulpes vulpes 225
Vrydagzynea 356
Walnut 31
Walsura cochinchinensis 378
Walters, Terrence W., and Deena S. Decker-Walters, Balsam-pear (*Momordica charantia*, Cucurbitaceae) 286–288
Wastewater treatment 495
Watermelon 174
Wehmeyer, A. S. *See* Cunningham, A. B., and A. S. Wehmeyer
Weinmannia luzoniensis 348
Wendel, Jonathan D. *See* Doebley, John, et al.
Wendlandia luzoniensis 335
Whistler, W. Arthur, Ethnobotany of Tokelau: the plants, their Tokelau names, and their uses 155–176
White rot 518
Widjaja, Elizabelth A., Ethnobotany of the funeral ceremony of the Torajanese 250–254
Wikstroemia chamaedaphne 405
Wikstroemia indica 405
Wikstroemia lanceolata 329
Wilson, Hugh D., Quinus biosystematics I: domesticated populations 461–477
Wilson, Hugh D., Quinus biosystematics II: free-living populations 478–494
Wine, palm 301–306
Wisteria sinensis 397
Wood sorrel, lady 325
Woodwardia japonica 382
Worms [Nematoda, Platyhelminthes], control of, in China 376–406
Wormseed 319
Xanthium saccharatum 280
Xanthium sibiricum 389
Xanthochymus dulcis 280
Xanthomonas campestris 381
Xanthosoma sagittifolium 172, 175, 176
Yam, greater 349
Yam, lesser 337
Yang, R. Z., and C. S. Tang, Plants used for pest control in China: a literature review 376–406
Yeheb 242–248
Yew 178
Yew family 180
Yew, western 180
Ynesia colenda 201
Young, Steven B. *See* Thieret, John W., and Steven B. Young
Youngia japonica 336

Za'star 233, 234, 236–240
Zanthoxylum dimorphophyllum 401
Zanthoxylum planispinum 401
Zanthoxylum simulans 402
Zantedeschia aethiopica 384
Zea 129, 130
Zea mays 47, 120–131, 132, 133, 134, 313, 348
Zea saccharata 280
Zech, Wolfgang *See* Drechsel, Pay, and Wolfgang Zech
Zephyranthes rosea 166, 175, 176
Zibberella zeae 378
Zingiber 340
Zingiber officinale 336, 406, 413
Zingiberaceae 173, 175, 333, 336, 340, 373, 406
Zinnia elegans 167, 175, 176
Zolfaghari, Reza *See* Harden, M. L., and Reza Zolfaghari

INDEX TO BOOK REVIEWERS IN VOLUME 42

Balick, Michael J. 455
Bedigian, Dorothea 532
Delente, Jacques 213
Dixit, A. B. 453
Elvin-Lewis, Memory 241, 540
Fryxell, Paul A. 53
Joyal, Elaine 541–542
Krikorian, A. D. 44, 283
Laferriere, Joseph E. 119
Leverich, W. J. 294
Lewis, Walter H. 72, 104, 138–139, 194, 294–295, 502, 542
Musselman, Lytton J. 457, 457–458
Nichols, H. Wayne 138
Ogzewalla, C. Dwayne 454
Schultes, Richard Evans 15, 28, 36, 61, 85, 139, 412, 452, 456–457
Shemluck, Melvin J. 542–543
Skean, James D., Jr. 254, 455
Uhl, Natalie W. 455–456

LIST OF 1988 MANUSCRIPT REVIEWERS

The following reviewers of manuscripts have earned the gratitude of the Society for Economic Botany, the journal, and the authors of papers.

Anderson, G. J.
Balick, M. J.
Brandenburg, D. M.
Chao, J. M.
Cowan, C. W.
Cox, P. A.
Crawford, D.
Disrud, D. J.
Eshbaugh, W. H.
Eubanks, M.
Galinat, W. C.
Grossman, H. H.
Haynes, R. R.
Heiser, C. B., Jr.
Hils, M. H.
Iltis, H. H.
Johnson, D. V.
Kaplan, L.
King, S. R.
Lewis, W. H.
Mitchell, G.
Morton, J. F.
Nabhan, G. P.
Niewahner, J. H.
Pearce, D. K.
Richmond, R. E.
Spjut, R. W.
Steinitz-Kannan, M.
Tippo, O.
Tucker, A. O.
Wall, M. E.
Wetterstrom, W.
Wilkes, H. G.

INDEX TO BOOK REVIEWS AND ANNOTATED BIBLIOTHECA IN VOLUME 42

Abbott, John C., Agricultural marketing enterprises for the developing world 296

Agricultural marketing enterprises for the developing world, John C. Abbott 296

Agronomy of grassland systems, C. J. Person and R. L. Ison 296

Ahmed, Saleem *See* Grainge, Michael, and Saleem Ahmed

Akram, Muhammad *See* Chaudhary, Shaukat Ali, and Muhammad Akram

Alcohol and health, U.S. Department of Health and Human Services 296

Amazon frontier: the defeat of the Brazilian Indians, John Hemming 452

Anatomy of flowering plants: an introduction to structure and development, Paula Rudall 544

Andriamihaja, Solo, Essai d'inventaire des plantes medicino-dentaires Malgaches 296

Aquatic and wetland plants of Kentucky, Ernest O. Beal and John W. Thieret 544

Aquatic plants for water treatment and resource recovery, K. R. Reddy and W. H. Smith, eds. 138

Atwood, N. Duane *See* Welsh, Stanley L., et al.

Auld, B. A., K. M. Menz, and C. A. Tisdell, Weed control economics 298

Balick, Michael J. *See* Urbano, Claudio B. Pinheiro and Michael J. Balick

Balick, Michael J., Systematics and economic botany of the *Oenocarpus-Jessenia* (Palmae) complex 455

Barclay, Gwen *See* Hill, Madalene, and Gwen Barclay

Barkworth, Mary E. *See* Soderstrom, Thomas R., et al.

Basso, Ellen B., In favor of deceit: a study of tricksters in an Amazonian society 544

Bastien, Joseph W., Healers of the Andes: Kallaway herbalists and their medicinal plants 502

Beal, Ernest O., and John W. Thieret, Aquatic and wetland plants of Kentucky 544

Beckett, Elspeth, Wild flowers of Majorca, Minorca and Ibiza (with keys to the flora of the Balearic Islands) 546

Blackwell, W. H. *See* Hughes, J. W., and W. H. Blackwell

Botanic Gardens Conservation Secretariat. The international transfer format (ITF) for botanic garden plant records 545

Braser, C. M. *See* Rayner, A. D. M., et al.

Brazilian palms: notes on their uses and vernacular names. Claudio Urbano B. Pinheiro and Michael J. Balick, trans. and eds. 544

Bretting, Peter *See* Thompson, D. A., et al.

Bridson, Gavin D. R., and Donald E. Wendel, Printmaking in the service of botany 546

Brindle, John V., and James J. White, Flora portrayed: classics of botanical art from the Hunt Institute collection 545

Bringi, N. V., ed., Non-traditional oilseeds and oils of India 540

Brooks, Robert Richard, Serpentine and its vegetation: a multidisciplinary approach 298

Bruening, George, John Harada, Tsune Kosuge, and Alexander Hollaender, eds., Tailoring genes for crop improvement: an agricultural perspective 298

Brun, Viggo, and Trond Schumacher, Traditional herbal medicine in northern Thailand 456

Campbell, Christopher S. *See* Soderstrom, Thomas R., et al.

Catalogue of portraits of naturalists, mostly botanists: Part 1, Part 2, Michael J. Stieber et al., compilers, 544

Catalogue of the botanical art collection at the Hunt Institute: Part 1, Part 2, James J. White, compiler 544

Cell culture and somatic cell genetics of plants: volume 4, Cell culture in phytochemistry, Friedrich Constabel and Indra K. Vasil, eds. 544

Charles Wright on the boundary 1849–1852, or Plantae Wrightianae revisited, Elizabeth A. Shaw 53

Chang, Hsien-chang *See* Hsu, Hong-yen, et al.

Chaudhary, Shaukat Ali, and Muhammad Akram, Weeds of Saudi Arabia and the Arabian Peninsula 457

Chen, Chien-chih *See* Hsu, Hong-yen, et al.

Chen, Yuh-pan *See* Hsu, Hong-yen, et al.

Chinese herbal medicine, Daniel R. Reid 296

Clark, W. C., and R. E. Munn, eds., Sustainable development of the biosphere 455

Coca and cocaine: effects on people and policy in Latin America, Deborah Pacini and Christine Franquemont, eds. 138

Cocaine: pharmacology, effects, and treatment of abuse, John Grabowski, ed. 138

Combating resistance to xenobiotics: biological and chemical approaches, M. G. Ford, D. W. Holloman, B. P. S. Khambay, and R. M. Sawicki, eds. 296

Comparative experiments with field crops, G. V. Dyke 544

Components and biological properties of some *Allium* species, Jerzy Lutomski 296

Conn, Eric E. *See* Saunders, James A., et al.

Conservation and management of rare and endangered plants, Thomas S. Elias, ed. 541
Conservation Biology, Journal of the Society for Conservation Biology 296
Constabel, Friedrich, and Indra K. Vasil, eds., Cell culture and somatic cell genetics of plants: volume 4, Cell culture in phytochemistry 544
Corn: chemistry and technology, Standley A. Watson and Paul E. Ranstad, eds. 85
Cotrell, Helen J., ed., Pesticides on plant surfaces 297
Craker, Lyle E., and James E. Simon, eds., Herbs, spices, and medicinal plants, Volume 2: recent advances in botany, horticulture and pharmacology 139
Crawford, R. M. M., ed., Plant life in aquatic and amphibious habitats 297
Crop protection chemicals reference 544
CSIR, The useful plants of India 44
CSIR, The wealth of India. A dictionary of Indian raw materials and industrial products. Raw materials: Volume I: A (revised) 44
Cutler, D. F. *See* Jury, S. L., et al.
Davies, R. A., and K. M. Lloyd, compilers, Kew index for 1986 297
Davis, Wade E., The serpent and the rainbow: a Harvard scientist uncovers the startling truth about the secret world of Haitian voodoo and zombis 254
Denevan, William M., and Christine Padoch, eds., Swidden-fallow agroforesty in the Peruvian Amazon 542
Developmental mutants in higher plants, Howard Thomas and Donald Grierson, eds. 296
Differentiation patterns in higher plants, Krystyna M. Urbanska, ed. 544
Drake, James A. *See* Mooney, Harold A., and James A. Drake
Duke, James A., Living liqueurs 213
Dyke, G. V., Comparative experiments with field crops 544
Ecology of biological invasions of North America and Hawaii, Harold A. Mooney and James A. Drake, eds. 293
Economic and medicinal plant research, Volume 2, H. Wagner, Hiroshi Hikino, and Norman R. Farnsworth, eds. 502
Edible wild plants of the prairie. An ethnobotanical guide, Kelly Kindscher 72
Elias, Thomas S., ed., Conservation and management of rare and endangered plants 541
Emboden, William A., Leonardo da Vinci on plants and gardens 297
Essai d'inventaire des plantes medicino-dentaires Malgaches, Solo Andriamihaja 296
The Euphorbiales: chemistry, taxonomy and economic botany, S. L. Jury, T. Reynolds, D. F. Cutler, and F. J. Evans, eds. 104
Evans, F. J. *See* Jury, S. L., et al.
Evolutionary biology of the fungi, A. D. M. Rayner, C. M. Braser, and D. Moore, eds. 452
Farnsworth, Norman R. *See* Wagner, H., et al.
The fascinating world of the nightshades, Charles B. Heiser 544
Flora portrayed: classics of botanical art from the Hunt Institute collection, John V. Brindle and James J. White 545
Food, diet, and population at prehistoric Arroyo Hondo Pueblo, New Mexico, Wilma Wetterstrom 28
Ford, M. G., D. W. Holloman, B. P. S. Khambay, and R. M. Sawicki, eds., Combating resistance to xenobiotics: biological and chemical approaches 296
Forest products: advanced technologies and economic analyses, David A. Tillman 61
Forests of Jamaica, D. A. Thompson, Peter Bretting, and Marjorie Humphreys, eds. 545
Franquemont, Christine *See* Pacini, Deborah, and Christine Franquemont
Frisbie, Charlotte J., Navajo medicine bundles or jish: acquisition, transmission, and disposition in the past and present 545
Fuller, Thomas C., and Elizabeth McClintock, Poisonous plants of California 453
Fundamentals of palaeobotany, Sergei V. Meyen 296
The genera of Eupatorieae (Asteraceae), R. M. King and H. Robinson 296
Genetic markers of sex differentiation, Florence P. Haseltine, Michael E. McClure, and Ellen H. Goldberg, eds. 296
The genus *Iris* L. (aspects of morphology, biology, evolution and systematics), G. I. Rodionenko 296
Goldberg, Ellen H. *See* Haseltine, Florence P., et al.
González, V. Francy *See* Janssen, Willem, et al.
Goodrich, Sherel *See* Welsh, Stanley L., et al.
Gossypol: a potential contraceptive for men, Sheldon J. Segal, ed. 545
Grabowski, John, ed., Cocaine: pharmacology, effects, and treatment of abuse 138
Grainge, Michael, and Saleem Ahmed, Handbook of plants with pest-control properties 545
Grass systematics and evolution, Thomas R. Soderstrom, Khidir W. Hilu, Christopher S. Campbell, and Mary E. Barkworth, eds. 545
Green, Maurice B. *See* Hollingworth, Robert M., and Maurice B. Green

Grierson, Donald *See* Thomas, Howard, and Donald Grierson
Growing exotic forests, Bruce J. Zobel, Gerrit Van Wyk, and Per Stahl 297
Guide to cooking with edible flowers, Jay North and Pamela North 119
Gupta, Ashok K. *See* Satyavati, G. V., et al.
Hails, Michael R., compiler, Plant poisonings in animals: a bibliography from the world literature, No. 2, 1980–1982 298
Hale, Maynard G., and David M. Orcutt, The physiology of plants under stress 297
A handbook of Mexican roadside flora, Charles T. Mason, Jr., and Patricia B. Mason 297
Handbook of plants with pest-control properties, Michael Grainge and Saleem Ahmed 545
Harada, John *See* Bruening, George, et al.
Hartl, Daniel L., A primer of population genetics 298
Haseltine, Florence P., Michael E. McClure, and Ellen H. Goldberg, eds., Genetic markers of sex differentiation 296
Healers of the Andes: Kallaway herbalists and their medicinal plants, Joseph W. Bastien 502
Heiser, Charles B., The fascinating world of the nightshades 544
Hemming, John, Amazon frontier: the defeat of the Brazilian Indians 452
Hendrik Adriaan van Reede tot Drakenstein (1636–1691) and Hortus Malabaricus: a contribution to the history of Dutch colonial botany, J. Heniger 297
Heniger, J., Hendrik Adriaan van Reede tot Drakenstein (1636–1691) and Hortus Malabaricus: a contribution to the history of Dutch colonial botany 297
Henis, Yigal, ed., Survival and dormancy of microorganisms 546
Hepper, F. Nigel, Planting a Bible garden 15
Herbs, spices, and medicinal plants, Volume 2: recent advances in botany, horticulture and pharmacology, Lyle E. Craker and James E. Simon, eds. 139
Higgins, Larry C. *See* Welsh, Stanley L., et al.
Hikino, Hiroshi *See* Wagner, H., et al.
Hill, Madalene, and Gwen Barclay, Southern herb growing 298
Hilu, Khidir W. *See* Soderstrom, Thomas R., et al.
Hollaender, Alexander *See* Bruening, George, et al.
Hollingworth, Robert M., and Maurice B. Green, eds., Sites of action for neurotoxic pesticides 298
Holloman, D. W. *See* Ford, M. G., et al.
Hsu, Chau-shin *See* Hsu, Hong-yen, et al.
Hsu, Hong-yen, Yuh-pan Chen, Shuenn-jyi Shen, Chau-shin Hsu, Chien-chih Chen, and Hsien-chang Chang, Oriental materia medica: a concise guide 36
Hughes, J. W., and W. H. Blackwell, Wildflowers (and other plant life) of southeast Alaska 298
Humphreys, Marjorie *See* Thompson, D. A., et al.
Identifying and regulating carcinogens, Office of Technology Assessment, U.S. Congress 545
In favor of deceit: a study of tricksters in an Amazonian society, Ellen B. Basso 544
The international transfer format (ITF) for botanic garden plant records, Botanic Gardens Conservation Secretariat 545
Ison, R. L. *See* Person, C. J., and R. C. Ison
Jain, S. K., ed., A manual of ethnobotany 412
Janssen, Willem, Jorge López S., and Francy González V., Snap beans: present status in the developing world and bibliography of research (1919–1987) 546
Jeffrey, Larry S. *See* Lorenzi, Harri J., and Larry S. Jeffrey
Jellis, G. J., and D. E. Richardson, eds., The production of new potato varieties: technological advances 298
Journal of Production Agriculture 545
Jury, S. L., T. Reynolds, D. F. Cutler, and F. J. Evans, eds., The Euphorbiales: chemistry, taxonomy and economic botany 104
Kew index for 1986, R. A. Davies and K. M. Lloyd, compilers 297
Khambay, B. P. S. *See* Ford, M. G., et al.
Kies, Constance, ed., Nutritional bioavailability of manganese 297
Kindscher, Kelly, Edible wild plants of the prairie: an ethnobotanical guide 72
King, R. M., and H. Robinson, The genera of Eupatorieae (Asteraceae) 296
Koenig, Renate, ed., The plant viruses: Volume 3. Polyhedral virions with monopartite RNA genomes 546
Kosak-Channing, Lynn *See* Saunders, James A., et al.
Kosuge, Tsune *See* Bruening, George, et al.
Leeuwenberg, A. J. M., compiler, Medicinal and poisonous plants of the tropics 194
Legumes of Bahia, G. P. Lewis 297
Leonardo da Vinci on plants and gardens, William A. Emboden 297
Lewis, G. P., Legumes of Bahia 297
Living liqueurs, James A. Duke 213
Lloyd, K. M. *See* Davies, R. A., and K. M. Lloyd
López S., Jorge *See* Janssen, Willem, et al.
Lorenzi, Harri J., and Larry S. Jeffrey, Weeds of the United States and their control 457

Lutomski, Jerzy, Components and biological properties of some *Allium* species 296
Mabberley, D. J., The plant-book: a portable dictionary of the higher plants 294
A manual of ethnobotany, S. K. Jain, ed. 412
Marin, B., ed., Plant vacuoles: their importance in solute compartmentation in cells and their applications in plant biotechnology 298
Mason, Charles T., Jr., and Patricia B. Mason, A handbook of Mexican roadside flora 297
Mason, Patricia B. *See* Mason, Charles T., Jr., and Patricia B. Mason
McClintock, Elizabeth *See* Fuller, Thomas C., and Elizabeth McClintock
McClure, Michael E. *See* Haseltine, Florence P., et al.
Medicinal and poisonous plants of the tropics, A. J. M. Leeuwenberg, compiler 194
Medicinal plants of India, Volume 2, G. V. Satyavati, Ashok K. Gupta, and Nerraj Tandon, eds. 545
Medicine, magic, and evil spirits: study of a text on Thai traditional pediatrics, Jean Mulholland 545
Menz, K. M. *See* Auld, B. A., et al.
The metabolism, structure, and function of plant lipids, Paul K. Stumpf, J. Brian Mudd, and W. David Nes, eds. 297
Meyen, Sergei V., Fundamentals of palaeobotany 296
Minderhoud, E., and E. F. de Vogel, Orchid monographs. Volume 1: a taxonomic revision of the genus *Acropsis* Reinware ex Blume 297
Mooney, Harold A., and James A. Drake, eds., Ecology of biological invasions of North American and Hawaii 293
Moore, D. *See* Rayner, A. D. M., et al.
Much depends on dinner: the extraordinary history and mythology, allure and obsessions, perils and taboos of an ordinary meal, Margaret Visser 532
Mudd, J. Brian *See* Stumpf, Paul K., et al.
Mulholland, Jean, Medicine, magic and evil spirits: study of a text on Thai traditional pediatrics 545
Munn, R. E. *See* Clark, W. C., and R. E. Munn
Navajo medicine bundles or jish: acquisition, transmission, and disposition in the past and present, Charlotte J. Frisbie 545
Nes, W. David *See* Stumpf, Paul K., et al.
Non-traditional oilseeds and oils of India, N. V. Bringi, ed. 540
North, Jay, and Pamela North, Guide to cooking with edible flowers 119
North, Pamela *See* North, Jay, and Pamela North
Nutritional bioavailability of manganese, Constance Kies, ed. 297
Office of Technology Assessment, U.S. Congress, Identifying and regulating carcinogens 545
Orchid monographs. Volume 1: a taxonomic revision of the genus *Acropsis* Reinware ex Blume, E. Minderhoud, and E. F. de Vogel 297
Orchid monographs. Volume 2: a taxonomic revision of the continental African Bulbophyllinae, J. J. Vermeulen 297
Orcutt, David M. *See* Hale, Maynard G., and David M. Orcutt
Oriental materia medica: a concise guide, Hongyen Hsu, Yuh-pan Chen, Shuenn-jyi Shen, Chau-shin Hsu, Chien-chih Chen, and Hsien-chang Chang 36
Pacini, Deborah, and Christine Franquemont, eds., Coca and cocaine: effects on people and policy in Latin America 138
Padoch, Christine *See* Denevan, William M., and Christine Padoch
Paulownia in China: cultivation and utilization, A. N. Rao, ed. 283
Person, C. J., and R. L. Ison, Agronomy of grassland systems 296
Pesticides on plant surfaces, Helen J. Cotrell, ed. 297
Peyote religion: a history, Omer C. Stewart 546
The physiology of plants under stress, Maynard G. Hale and David M. Orcutt 297
Phytochemical effects of environmental compounds, James A. Saunders, Lynn Kosak-Channing, and Eric E. Conn, eds. 297
Plant life in aquatic and amphibious habitats, R. M. M. Crawford, ed. 297
Plant poisonings in animals: a bibliography from the world literature, No. 2, 1980–1982, Michael R. Hails, compiler 298
Plant vacuoles: their importance in solute compartmentation in cells and their applications in plant biotechnology, B. Marin, ed. 298
The plant viruses: Volume 3. Polyhedral virions with monopartite RNA genomes, Renate Koenig, ed. 546
The plant-book: a portable dictionary of the higher plants, D. J. Mabberley 294
Planting a Bible garden, F. Nigel Hepper 15
Poisonous plants of California, Thomas C. Fuller and Elizabeth McClintock 453
A practical guide to edible and useful plants, Delena Tull 298
A primer of population genetics, Daniel L. Hartl 298
Printmaking in the service of botany, Gavin D. R. Bridson and Donald E. Wendel 546
The production of new potato varieties: technological advances, G. J. Jellis and D. E. Richardson, eds. 298

Ranstad, Paul E. *See* Watson, Standley A., and Paul E. Ranstad
Rao, A. N., ed., *Paulownia* in China: cultivation and utilization 283
Rayner, A. D. M., C. M. Braser, and D. Moore, eds., Evolutionary biology of the fungi 452
Reddy, K. R., and W. H. Smith, eds., Aquatic plants for water treatment and resource recovery 138
Reid, Daniel P., Chinese herbal medicine 296
Restoring America's wildlife, U.S. Department of the Interior 546
Reynolds, T. *See* Jury, S. L., et al.
Richardson, D. E. *See* Jellis, G. J., and D. E. Richardson
Robinson, H. *See* King, R. M., and H. Robinson
Rodionenko, G. I., The genus *Iris* L. (aspects of morphology, biology, evolution and systematics) 296
Rudall, Paula, Anatomy of flowering plants: an introduction to structure and development 544
Satyavati, G. V., Ashok K. Gupta, and Nerraj Tandon, eds., Medicinal plants of India, Volume 2 545
Saunders, James A., Lynn Kosak-Channing, and Eric E. Conn, eds., Phytochemical effects of environmental compounds 297
Sawicki, R. M. *See* Ford, M. G., et al.
Schultes, Richard Evans, Where the gods reign: plants and peoples of the Colombian Amazon 542
Schumacher, Trond *See* Brun, Viggo, and Trond Schumacher
Segal, Sheldon J., ed., Gossypol: a potential contraceptive for men 545
The serpent and the rainbow: a Harvard scientist uncovers the startling truth about the secret world of Haitian voodoo and zombis, Wade E. Davis 254
Serpentine and its vegetation: a multidisciplinary approach, Robert Richard Brooks 298
Shaw, Elizabeth A., Charles Wright on the boundary 1849–1852, or Plantae Wrightianae revisited 53
Shen, Shuenn-jyi *See* Hsu, Hong-yen, et al.
Simon, James E. *See* Craker, Lyle E., and James E. Simon
Sites of action for neurotoxic pesticides, Robert M. Hollingworth and Maurice B. Green, eds. 298
Smith, W. H. *See* Reddy, K. R., and W. H. Smith
Snap beans: present status in the developing world and bibliography of research (1919–1987), Willem Janssen, Jorge López S., and Francy González V. 546
Soderstrom, Thomas R., Khidir W. Hilu, Christopher S. Campbell, and Mary E. Barkworth, eds., Grass systematics and evolution 545
Sofowara, Abayomi, ed., The state of medicinal plants research in Nigeria 241
Soukup, Jaroslav, Vocabulario de los nombres vulgares de la flora peruana y catalogo de los generos 546
Southern herb growing, Madalene Hill and Gwen Barclay 298
Stahl, Per *See* Zobel, Bruce J., et al.
The state of medicinal plants research in Nigeria, Abayomi Sofowara, ed. 241
Stewart, Omer C., Peyote religion: a history 546
Stieber, Michael T., et al., compilers, Catalogue of portraits of naturalists, mostly botanists: Part 1, Part 2 544
Stumpf, Paul K., J. Brian Mudd, and W. David Nes, eds., The metabolism, structure, and function of plant lipids 297
Survival and dormancy of microorganisms, Yigal Henis, ed. 546
Sustainable development of the biosphere, W. C. Clark and R. E. Munn, eds. 455
Swidden-fallow agroforestry in the Peruvian Amazon, William M. Denevan and Christine Padoch, eds. 542
Systematics and economic botany of the *Oenocarpus-Jessenia* (Palmae) complex, Michael J. Balick 455
Tailoring genes for crop improvement: an agriculture perspective, George Bruening, John Harada, Tsune Kosuge, and Alexander Hollaender, eds. 298
Tandon, Nerraj *See* Satyavati, G. V., et al.
Thieret, John W. *See* Beal, Ernest O., and John W. Thieret
Thomas, Howard, and Donald Grierson, eds., Developmental mutants in higher plants 296
Thompson, D. A., Peter Bretting, and Marjorie Humphreys, eds., Forests of Jamaica 545
Thurston, H. David, Tropical plant diseases 546
Tillman, David A., Forest products: advanced technologies and economic analyses 61
Tisdell, C. A. *See* Auld, B. A., et al.
Traditional herbal medicine in northern Thailand, Viggo Brun and Trond Schumacher 456
Tropical plant diseases, H. David Thurston 546
Tull, Delena, A practical guide to edible and useful plants 298
Urbano, Claudio B. Pinheiro, and Michael J. Balick, trans., and eds., Brazilian palms: notes on their uses and vernacular names 544
Urbanska, Krystyna M., ed., Differentiation patterns in higher plants 544
U.S. Department of Health and Human Services, Alcohol and health 296

U.S. Department of the Interior, Restoring America's wildlife 546
The useful plants of India, CSIR 44
A Utah flora, Stanley L. Welsh, N. Duane Atwood, Sherel Goodrich, and Larry C. Higgins, eds. 298
Van Wyk, Gerrit *See* Zobel, Bruce J., et al.
Vasil, Indra K. *See* Constabel, Friedrich, and Indra K. Vasil, eds.
Vermeulen, J. J., Orchid monographs. Volume 2: a taxonomic revision of the continental African Bulbophyllinae 297
Visser, Margaret, Much depends on dinner: the extraordinary history and mythology, allure and obsessions, perils and taboos of an ordinary meal 532
Vocabulario de los nombres vulgares de la flora peruana y catalogo de los generos, Jaroslav Soukup 546
Vogel, E. F. de *See* Minderhoud, E., and E. F. de Vogel
Wagner, H., Hiroshi Hikino, and Norman R. Farnsworth, eds., Economic and medicinal plant research, Volume 2 502
Watson, Standley A., and Paul E. Ranstad, eds., Corn: chemistry and technology 85
The wealth of India. A dictionary of Indian raw materials and industrial products. Raw materials: Volume I:A (revised), CSIR 44
Weed control economics, B. A. Auld, K. M. Menz, and C. A. Tisdell 298
Weeds of Saudi Arabia and the Arabian Peninsula, Shaukat Ali Chaudhary and Muhammad Akram 457
Weeds of the United States and their control, Harri J. Lorenzi and Larry S. Jeffrey 457
Welsh, Stanley L., N. Duane Atwood, Sherel Goodrich, and Larry C. Higgins, eds., A Utah flora 298
Wendel, Donald E. *See* Bridson, Gavin D. R., and Donald E. Wendel
Wetterstrom, Wilma, Food, diet, and population at prehistoric Arroyo Hondo Pueblo, New Mexico 28
Where the gods reign: plants and peoples of the Colombian Amazon, Richard Evans Schultes 542
White, James J., compiler, Catalogue of the botanical art collection at the Hunt Institute: Part 1, Part 2 544
White, James J. *See* Brindle, John V., and James J. White
Wildflowers of Majorca, Minorca and Ibiza (with keys to the flora of the Balearic Islands), Elspeth Beckett 546
Wildflowers (and other plant life) of southeast Alaska, J. W. Hughes and W. H. Blackwell 298
Zobel, Bruce J., Gerrit Van Wyk, and Per Stahl, Growing exotic forests 297